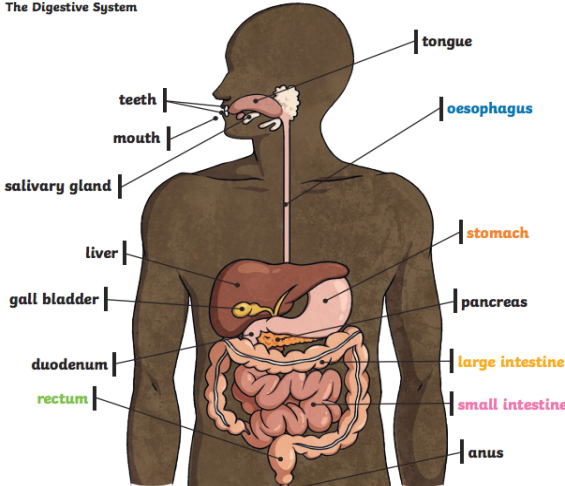
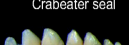
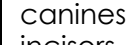
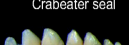
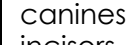
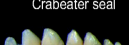
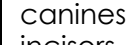
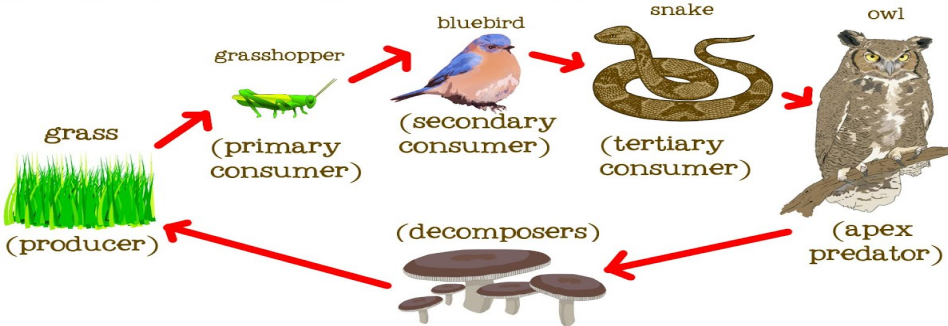


Year 4: Animals including Humans Learning Organiser

| Subject Specific Vocabulary                                                         |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       | Human and animal digestive systems                                                                                                                                                                                                                                                                                                                                                                                                                           |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------|--------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----|--------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|---------|-------|-------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|-----|--|
| digestive system                                                                    | This is how animals break down the food they eat                                     | omnivore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Animals that eat plants and meat                                                      | <div>The Digestive System</div>   <p>Did you know that cows have three stomachs to help them digest the amount of grass that they eat!</p> <p>The adult human digestive system is about 30 feet long, with the small intestine around 22 feet (6.7metres) if you stretched it out!</p> |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| nutrition                                                                           | How animals get all the food they need to grow                                       | herbivore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Animals that only eat plants                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| mouth                                                                               | The first part of the digestive system, where food is broken down                    | producer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Plants are producers as they can use sunlight, air and water to make their own food   |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| teeth                                                                               | Sharp structures, which break down food in the mouth                                 | predator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | An animal that hunts and kills other animals for food such as a lion                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| tongue                                                                              | This is a muscle that allows animals to taste food.                                  | prey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Animals that are killed and eaten by other animals, such as a rabbit                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| oseophagus                                                                          | The tube which connects the mouth to the stomach                                     | <div>A</div> <table><tr><td>Fish</td><td>Reptiles</td><td>Mammals</td></tr><tr><td></td><td></td><td></td></tr><tr><td>Catfish</td><td>Python</td><td>Crabeater seal</td></tr><tr><td></td><td></td><td></td></tr><tr><td>Gar</td><td>Iguana</td><td>Mouse</td></tr></table> <div>B</div> <table><tr><td></td><td></td><td></td><td></td></tr><tr><td>Lion</td><td>Opossum</td><td>Human</td><td>Panda</td></tr></table> <div>C</div> <table><tr><td></td><td></td></tr><tr><td>Wallaby</td><td>Cow</td></tr></table> <p>Different types of animals have different types of teeth, based on their diet, so carnivores will have sharper canines and incisors (because they eat more meat), but herbivores will have larger molars, to grind down plants.</p> |                                                                                       | Fish                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Reptiles | Mammals |  |  |  | Catfish | Python | Crabeater seal |  |  |  | Gar | Iguana | Mouse |  |  |  |  | Lion | Opossum | Human | Panda |  |  | Wallaby | Cow |  |
| Fish                                                                                | Reptiles                                                                             | Mammals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
|    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| Catfish                                                                             | Python                                                                               | Crabeater seal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
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| Gar                                                                                 | Iguana                                                                               | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
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| Lion                                                                                | Opossum                                                                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Panda                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
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| Wallaby                                                                             | Cow                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| stomach                                                                             | A muscle, shaped like a sac, where food continues to be digested                     | <h1>Food Chains</h1>  <pre>graph LR; grass["grass (producer)"] --&gt; grasshopper["grasshopper (primary consumer)"]; grasshopper --&gt; bluebird["bluebird (secondary consumer)"]; bluebird --&gt; snake["snake (tertiary consumer)"]; snake --&gt; owl["owl (apex predator)"]; owl --&gt; decomposers["(decomposers)"]; snake --&gt; decomposers; decomposers --&gt; grass;</pre> <p>Food chains show the relationship between animals and plants. Many connected food chains form a food web.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| small intestine                                                                     | The final stage of digestion, where the nutrients from food are absorbed             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| large intestine                                                                     | This is where water is absorbed and undigested foods are stored.                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |
| carnivore                                                                           | Animals that only eat meat                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |                                                                                   |                                                                                   |                                                                                    |         |        |                |                                                                                   |                                                                                   |                                                                                    |     |        |       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |      |         |       |       |                                                                                     |                                                                                      |         |     |  |