

## What should I already know?

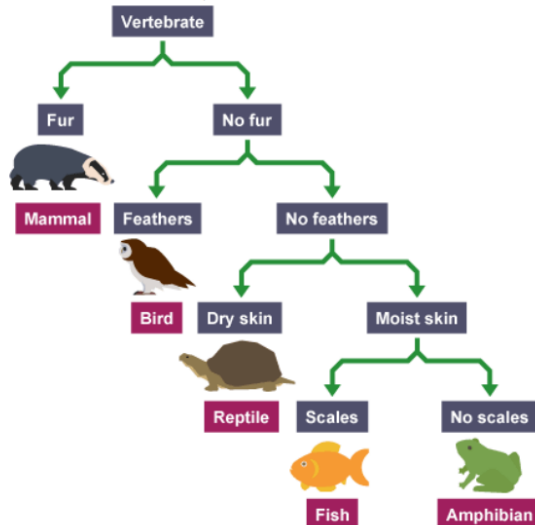
- I can identify and name a variety of common wild, garden, and flowering plants including deciduous and evergreen trees.
- I can identify and name a variety of common animals.
- I can describe and compare the structure of a variety of common animals.

## Vocabulary

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| classification      | Arranging things into groups of similar things.     |
| classification keys | A system which divides things into groups or types. |

A classification key helps group, identify and name a variety of living things.

Here is an example:



All living things have to do certain things to stay alive. These are known as life processes. To remember these we use the acronym MRS GREN (Movement, Respiration, Sensitivity, Growth, Reproduction, Excretion and Nutrition)

## Classification of Animals

Animals can be grouped in lots of different ways based upon their characteristics.

|             |                                                                                                  |                                                                                       |                                                         |         |                                                                                       |
|-------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------|---------|---------------------------------------------------------------------------------------|
| Vertebrates | Mammals                                                                                          |    | Invertebrates<br>A creature that does not have a spine. | Snails  |    |
|             | <ul style="list-style-type: none"> <li>Warm blooded</li> <li>Give birth to live young</li> </ul> |                                                                                       |                                                         | Slugs   |    |
|             | Reptiles                                                                                         |    |                                                         | Worms   |    |
|             | <ul style="list-style-type: none"> <li>Cold blooded</li> <li>Many lay eggs</li> </ul>            |                                                                                       |                                                         | Spiders |    |
|             | Amphibians                                                                                       |    |                                                         | Insects |  |
|             | <ul style="list-style-type: none"> <li>Cold blooded</li> <li>Lay eggs</li> </ul>                 |                                                                                       |                                                         |         |                                                                                       |
|             | Fish                                                                                             |    |                                                         |         |                                                                                       |
|             | <ul style="list-style-type: none"> <li>Cold blooded</li> <li>Breathe underwater</li> </ul>       |                                                                                       |                                                         |         |                                                                                       |
|             | Birds                                                                                            |  |                                                         |         |                                                                                       |
|             | <ul style="list-style-type: none"> <li>Warm blooded</li> <li>Lay eggs</li> </ul>                 |                                                                                       |                                                         |         |                                                                                       |

## Classification of Plants

|                                                                                                                                  |                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flowering Plants                                                                                                                 | Examples include:                                                                                                                                                              | Non-Flowering Plants                                                                                                                                         | Examples include:                                                                                                                                                              |
| Flowering plants grow flowers.<br>They use pollination to reproduce.<br>Flowering plants make up about 90% of all plant species. | <ul style="list-style-type: none"> <li>sunflower</li> <li>daffodil</li> <li>orchid</li> <li>rose</li> </ul>                                                                    | Non-flowering plants do not grow flowers. They rely on seed dispersal in order to reproduce.<br>Non-flowering plants make up about 10% of all plant species. | <ul style="list-style-type: none"> <li>fern</li> <li>moss</li> <li>algae</li> <li>conifer</li> </ul>                                                                           |
|                                                                                                                                  | <br> |                                                                                                                                                              | <br> |