

Tier 3 Vocabulary

invertebrate	An animal without a backbone
vertebrate	An animal with a backbone and a skeleton inside its body
antennae	A pair of feelers for sensing the world around them
abdomen	Where you would find the stomach of the animal
thorax	The middle part of the body that has the head, legs and wings
segment	Divide (something) into separate parts or sections
exoskeleton	A hard outer layer that covers, supports, and protects the body of an invertebrate animal
mammal	An animal that gives birth to live young
habitat	The place where and animal lives
Respiration	A process that involve the intake of oxygen and the release of carbon dioxide
Excretion	Eliminating or expelling east matter, e.g. faeces
nutrition	The process of obtaining the food necessary for growth

Diagrams

Animal Skeletons

Vertebrate Classification Key

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graph TD
    Q1{Does it have feathers?} -- yes --> B[Birds]
    Q1 -- no --> Q2{Does it have fur?}
    Q2 -- yes --> M[Mammals]
    Q2 -- no --> Q3{Does it have scales?}
    Q3 -- yes --> R[Reptiles]
    Q3 -- no --> A[Amphibians]
    Q4{Does it have lungs?} -- yes --> R
    Q4 -- no --> F[Fish]
            
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Characteristics of Living Things

Movement
Respiration
Sensitivity

Growth
Reproduction
Excretion
Nutrition

Key Facts

- I can recognise that living things can be grouped in a variety of ways.
- An insect has 3 pairs of legs (6 in total) , an antennae and 3 body parts: head, thorax, abdomen.
- I know that invertebrates have an exoskeleton such as a snail, beetle, millipede, centipede and woodlouse.
- There are 5 groups of vertebrates: mammals, birds, reptiles, amphibians and fish.

Scientific skills and understanding

- I know how to ask relevant scientific questions.
- I can classify different animals using a key.
- I know how to use observations and knowledge to answer scientific questions.

What we should know

- That some things are living, dead and have never lived.
- That living things can be grouped in different ways.
- That there are different types of animals such as reptiles, mammals, fish.