

# Year 4 Science Knowledge Organiser: Living things and their habitats

**Trees and shrubs can be broadly grouped into two categories: deciduous or evergreen.**



Deciduous plants shed their leaves seasonally, usually before the winter or dry season. This helps to conserve water, which is otherwise lost from leaves through a process called transpiration.

**Common deciduous trees include: oak, horse chestnut, sycamore and maple.**



Coniferous or evergreen plants do not shed their leaves annually. They lose and replace their leaves gradually, so there is no point at which the plant has no leaves.

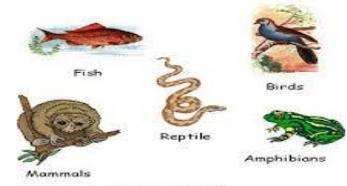
**Evergreen plants include: holly, spruce, cedar and pine.**

## Vertebrates

An animal with a backbone, including: mammals, birds, reptiles, amphibians and fish.

## Vertebrates

Animals with backbones



## Invertebrates

An animal without a backbone, such as insects, molluscs, annelids and arachnids.



## Vocabulary Dozen

<b>Classification</b>	The arrangement of animals and plants in groups according to their observed similarities.	<b>Classify</b>	Arrange (a group of people or things) in classes or categories according to shared qualities or characteristics.
<b>Characteristics</b>	A feature or quality belonging typically to a person, place, or thing and serving to identify them.	<b>Environment</b>	The surroundings or conditions in which a person, animal, or plant lives.
<b>Habitat</b>	The natural home or environment of an animal, plant, or other organism.	<b>Impact</b>	A marked effect or influence.

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<b>Positive</b>	A desirable quality or attribute.	<b>Negative</b>	An undesirable quality or attribute.
<b>Deciduous plants</b>	Deciduous plants shed their leaves seasonally, usually before the winter or dry season.	<b>Evergreen plants</b>	Coniferous or evergreen plants do not shed their leaves annually.
<b>Flowering</b>	A plant (such as a grass) that produces grain that can be eaten.	<b>Non-flowering</b>	A type of green plant that has very small leaves and no flowers and that grows on rocks, bark, or wet ground.



David Attenborough – Natural historian and English broadcaster