

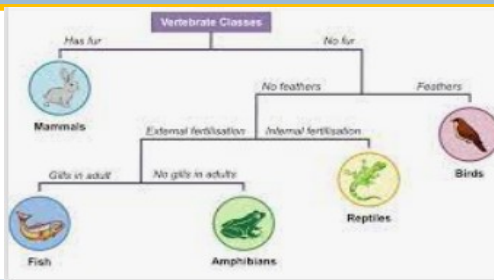
Science—illustrating life cycles

Legacy

Prior Knowledge

In Year 4, you learned that living things could be classified and grouped in a variety of ways.

The plant kingdom is divided into two important groups.
What are they?



My Component Knowledge:

Lesson 1: To create your own classification key to help group and name plants.

Lesson 2: To dissect and label the parts of a flowering plant, including male and female structures.

Lesson 3: To learn about and investigate natural & artificial asexual reproduction in plants.

Lesson 4: To learn about the life cycle and reproduction of amphibians and insects.

Lesson 5: To learn about the lifecycle and reproduction of mammals and birds.

Lesson 6: To record the lifecycle and reproduction of mammals and birds in the form of a zoological illustration.

My Composite Knowledge:

To record the lifecycle of animals, identify the purpose of botanical illustrations. To explain the natural and artificial asexual reproduction in plants.

My Powerful Knowledge:

To explain and create their own classification keys to aid classification of animals. To create their own botanical illustrations and to explain their purpose.

Key Vocabulary

Tier 1:

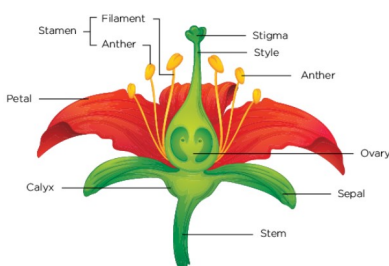
class
order
family
genus

Tier 2:

kingdom



Tier 3:

phylum
species



Animal groups

Vertebrates

- Mammals 
- Birds 
- Reptiles 
- Amphibians 
- Fish 

Invertebrates

- Mollusks 
- Arthropods 
- Worms 
- Cnidarians 
- Echinoderms 
- Sponges 

How can we classify animals?

What is a botanical illustration and what does it show?