

## **Activity—Classifying Invertebrates**

## **Teaching Instructions**

## **Activity 1—Grouping animals**

- Ask students to put species pictures into groups based on similarities and differences and discuss as
  a class—see if pupils can identify the main vertebrate groups—mammals, reptiles, birds & fish
- If needed, prompt with key features such as fur, feathers, scales etc.
- Introduce that all animals can be split into the two most basic groups—those with backbone (vertebrates) and those whithout back bones (invertebrates)

#### **Activity 2—Introducing invertebrates**

- Explain the importance of invertebrates to the world, using the fun facts below.
- Ask students to identify four of the invertebrate images—bee, beetle, ant and butterfly
- In groups discuss what features they have the same (6 legs, 3 body parts, antennae) and in what ways they differ (wings, different colours etc.)

#### Activity 3—Using a classification key

- Ask students to pick out all the other invertebrate pictures and add them to the four already looked
   at
- Show them the classification key and explain, using an example, how it can help us work out what type of invertebrate something is—to put it into the correct group.
- As a class, go through each invertebrate and put it into the correct group at the front of class.

**Extension** - Get pupils to choose an invertebrate to research and produce a poster detailing it's habitat, microhabitat, diet (herbivore/omnivore/carnivore) and it's adaptations.

### **Fun facts**

- 80% of the world's known species are invertebrates
- They form the basis of numerous food chains: e.g. 80% of plants rely on invertebrates for pollination
- One pipistrelle bat will eat around 8,000 insects in one evening.
- Some look very similar, some look very different. One thing they all have in common is that none of them have a spine/backbone

## **Key words**

**Classification**—grouping living things into categories based on shared features

Vertebrate—Animal with a backbone

Invertebrate—Animal without a backbone

**Mammal**— Animals covered in fur or hair that give birth to live young

**Reptile**—Animals covered in dry scales that lay leathery eggs

**Fish**—Animals covered in wet scales that lay jelly-like eggs

**Bird**—Animals covered in feathers that lay hard eggs

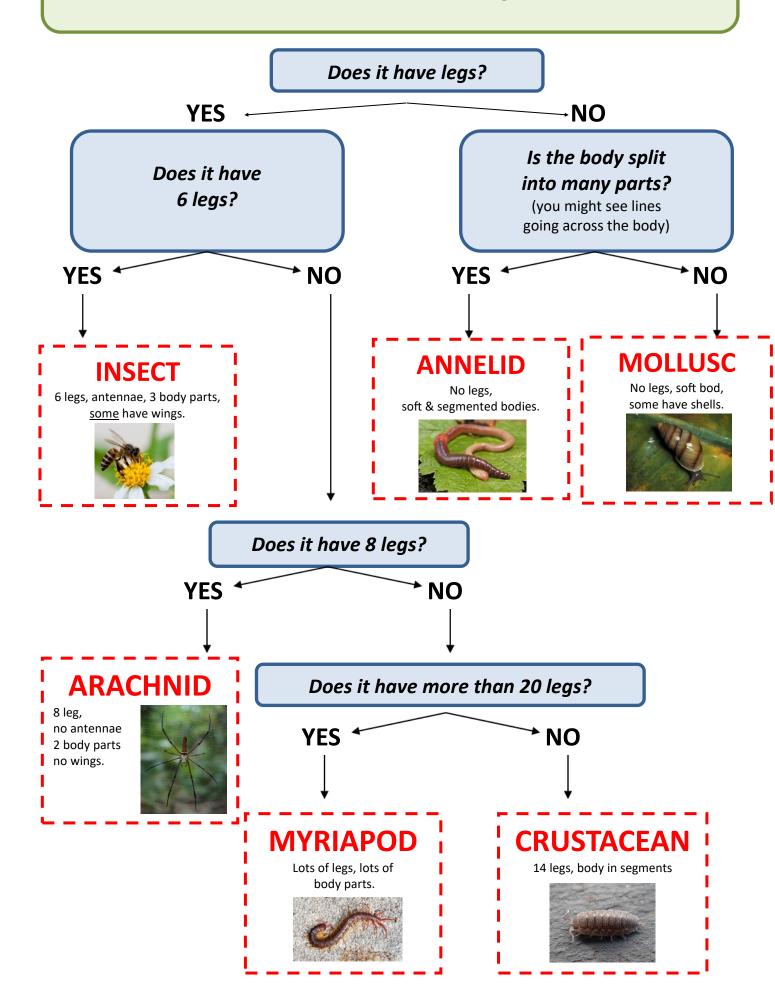




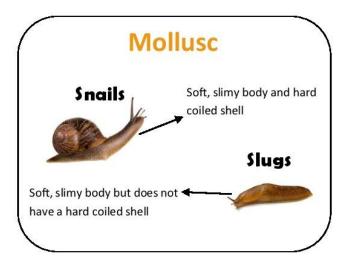


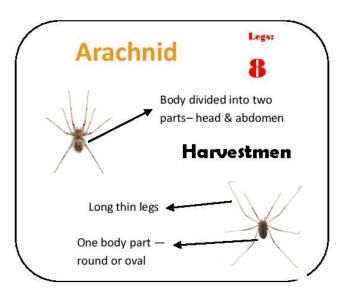
#### **Woodland Invertebrates**

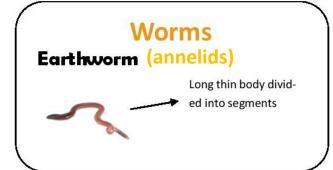
## **Classification Key**

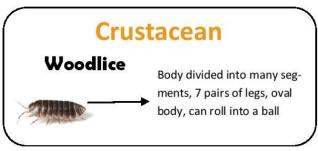


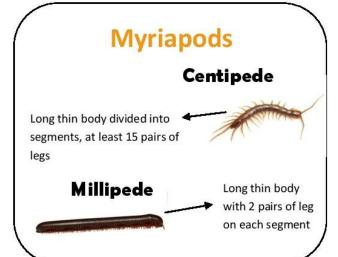
# Invertebrate summary cards

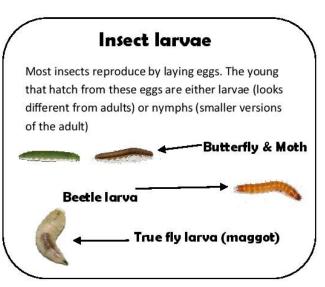












## **Insects**

