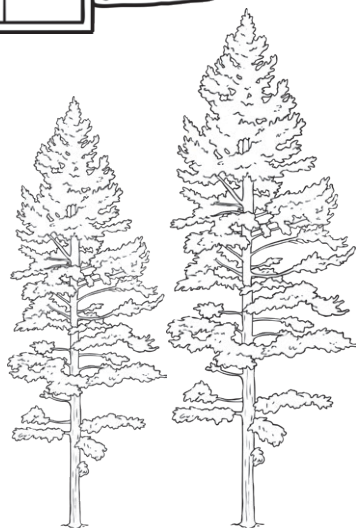
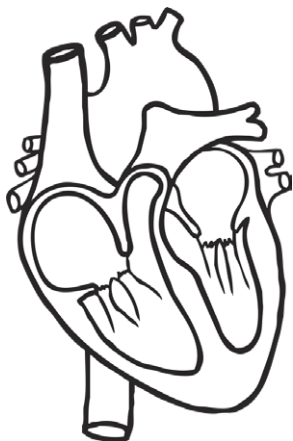


Year 6 Science Revision Booklet



Living Things and Their Habitats

1. Think of **four** animals for each classification in the table below:

Wings	No Wings

2. Give **two** other ways in which animals can be classified:

_____ and _____

_____ and _____

3. Sort these animals into the two groups in the table below.

Vertebrates	Invertebrates



starfish



jellyfish



lobster



frog



dolphin



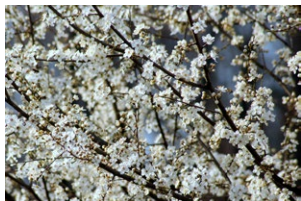
lizard



spider

4. Draw lines from each plant to the group that it belongs:

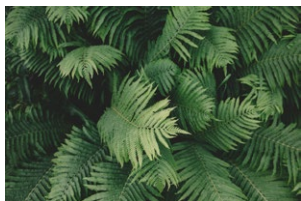
Plum tree



Sunflower



Fern



Flowering Plants

Rose

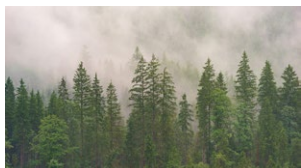


Non-Flowering Plants

Moss



Conifer



5. Name **two** ways in which microorganisms can be helpful.

6. Name **two** ways in which microorganisms are not helpful.

Animals, Including Humans

1. What is the main function of the heart?

2. Circle the parts of the body that make up the circulatory system.

lungs

veins

heart

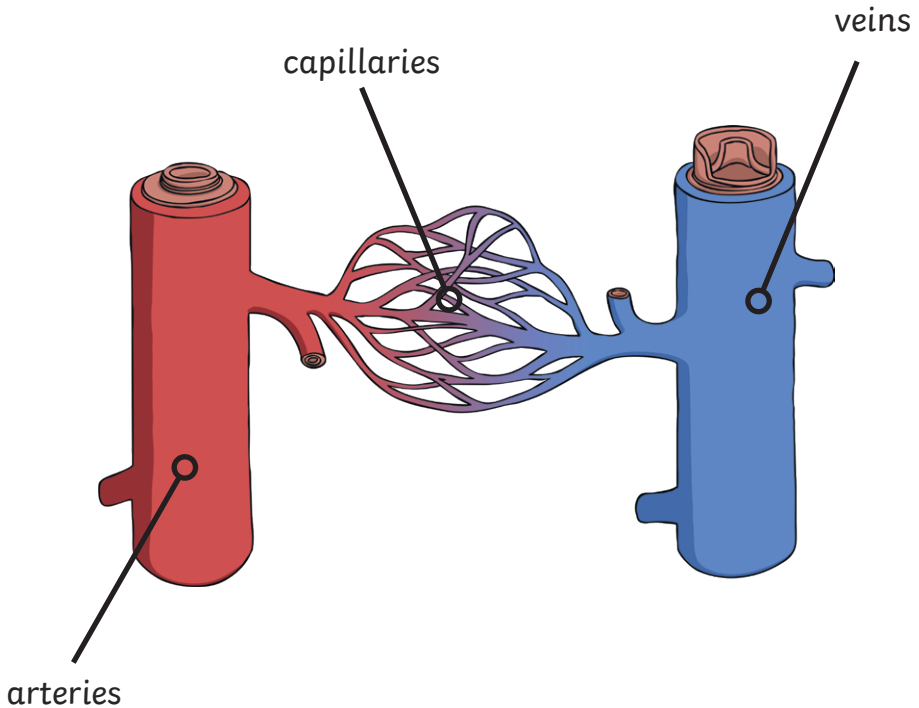
kidneys

arteries

trachea

blood

3. Look at this diagram and complete the sentences below by choosing the correct word in brackets:



Veins carry (oxygenated/de-oxygenated) blood toward the heart.

Arteries carry (oxygenated/de-oxygenated) blood away from the heart.

Capillaries are the (smallest/largest) blood vessels in the body and it is here that the exchange of water, nutrients, oxygen and carbon dioxide takes place.

4. Which of the following is NOT a benefit of exercise? Put a circle around your answer.

Exercise
strengthens muscles.

Exercise
strengthens bones.

Exercise increases the
amount of oxygen
around the body.

Exercise makes you
grow taller.



Exercise releases brain
chemicals which
help you feel calm
and relaxed.

5. Name **two** things that have a negative effect on the body.

6. Draw lines to match the words with their definitions.

nutrients

Structures in the small intestine which help absorb nutrients.

water

Substances that animals need to stay alive and healthy

villi

Absorbed in the small intestine as well as nutrients.

kidneys

An organ which processes waste from the blood and produces bile.

liver

Organs which filter blood and make urine from waste and excess water.

Evolution and Inheritance

1. Fill in the missing words in the passage below using the word bank to help.

_____ are the preserved remains of ancient animals and plants. Fossils let _____ know how plants and animals used to look _____ of years ago. This is proof that living things have _____ over time.

millions

scientists

Fossils

evolved

2. True or false?

Inheritance refers to the physical features that are passed from parents to children.	
Inheritance only occurs in humans.	
Siblings cannot inherit the same physical features.	
Eye colour, face shape and hair colour can all be inherited traits.	

3. Choose **two** children that you think could be siblings and explain what inherited features they share.



4. Draw lines to match the words to their definitions.

adaptation ●

● habitats where there
are living and non-
living things

evolution ●

● the changing of a trait
to increase a living
thing's chances of
surviving.

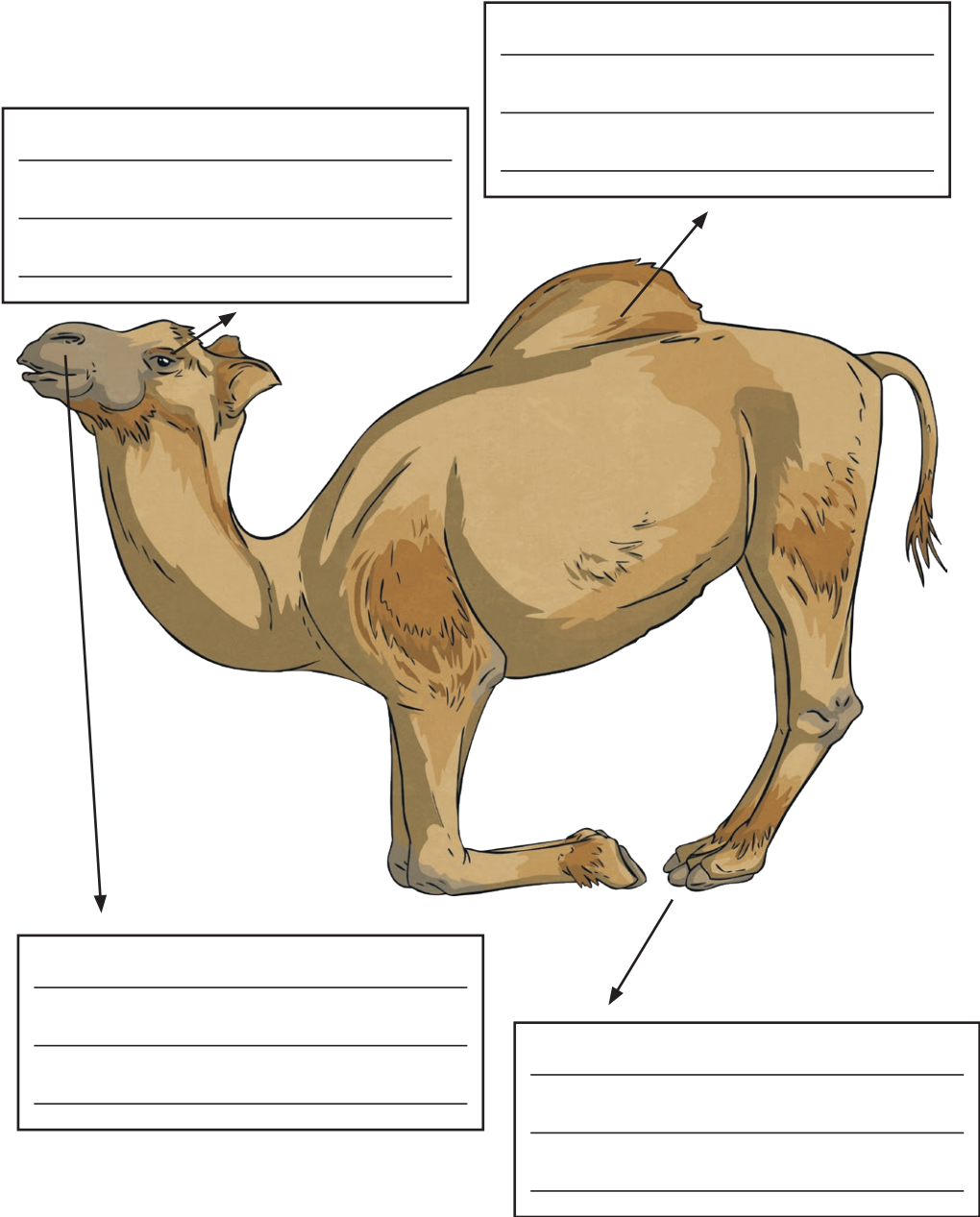
environment ●

● the process where
organisms that are
better adapted to the
environment are more
likely to survive

natural
selection ●

● the process of
adaptation over a
very long time

5. Label the camel with ways in which it has adapted to live in the desert.



Light

1. Draw lines on the image below to show how the girl sees the television.



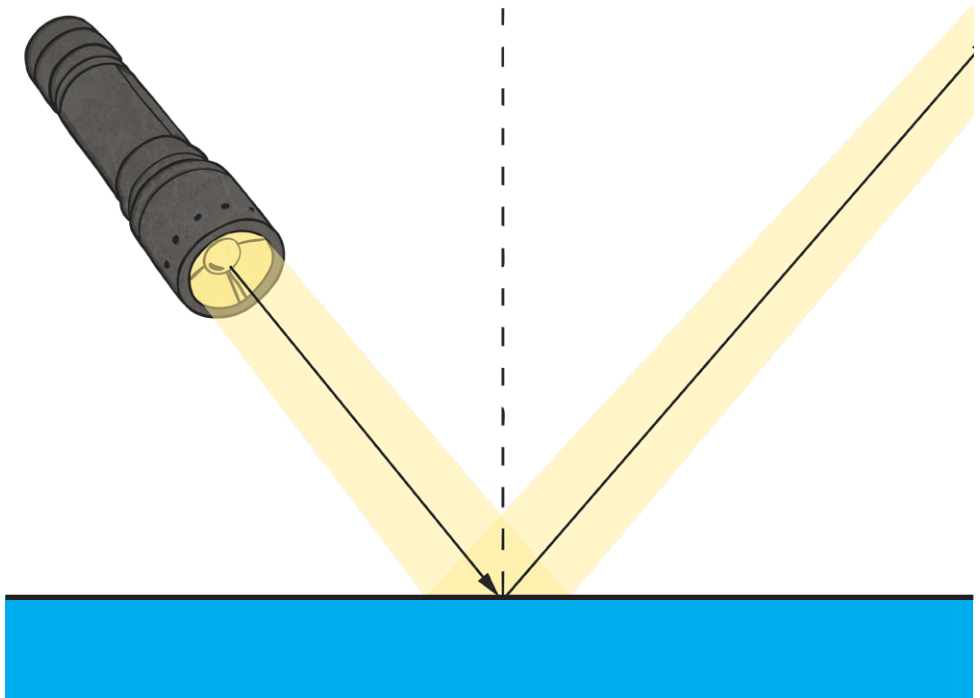
2. Name **two** light sources.

3. True or false?

Light travels in curved lines.	
When light bounces off a surface, it changes direction.	
A shadow is formed where light has been blocked.	
Light cannot travel through a vacuum.	

4. The law of reflection states that the angle of the incident ray is equal to the angle of the reflected ray.

Label the diagram below with the words in the word bank below to illustrate the law of reflection.



light source

reflected ray

incident ray

mirror

5. Fill in the missing words

When a _____ of an object is made, it will always be the _____ shape as the object. This is because when an _____ object is in the path of light travelling from a light source, it will _____ the light rays that hit it, while the rest of the light can continue _____.

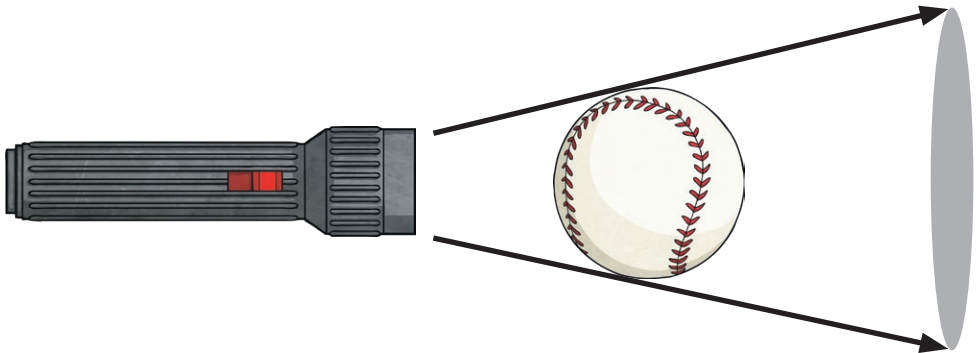
same

opaque

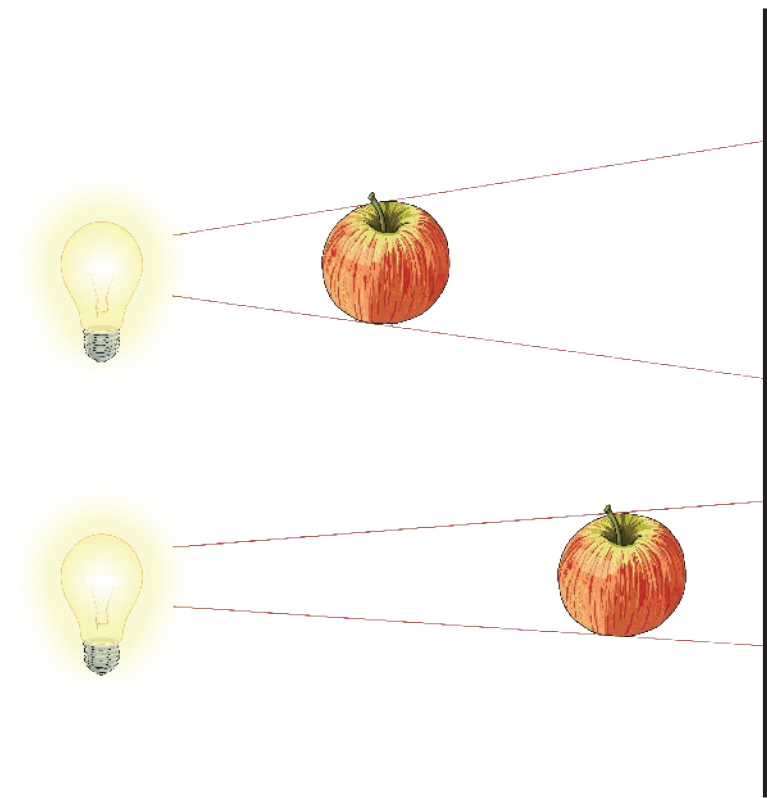
shadow

block

travelling

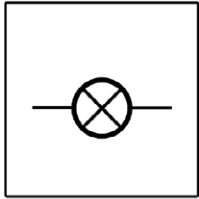


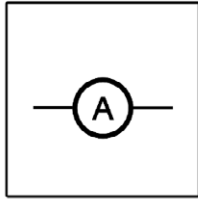
6. Draw the shadow of the apple on the wall in both images below:

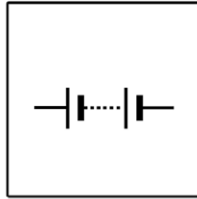


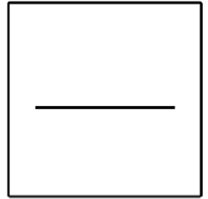
Electricity

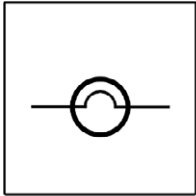
1. Label the following electrical symbols:

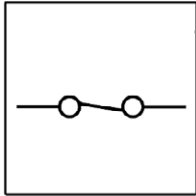


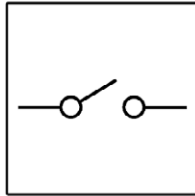


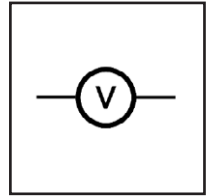


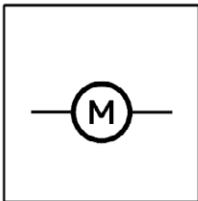


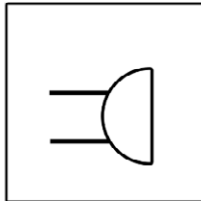


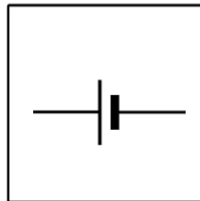






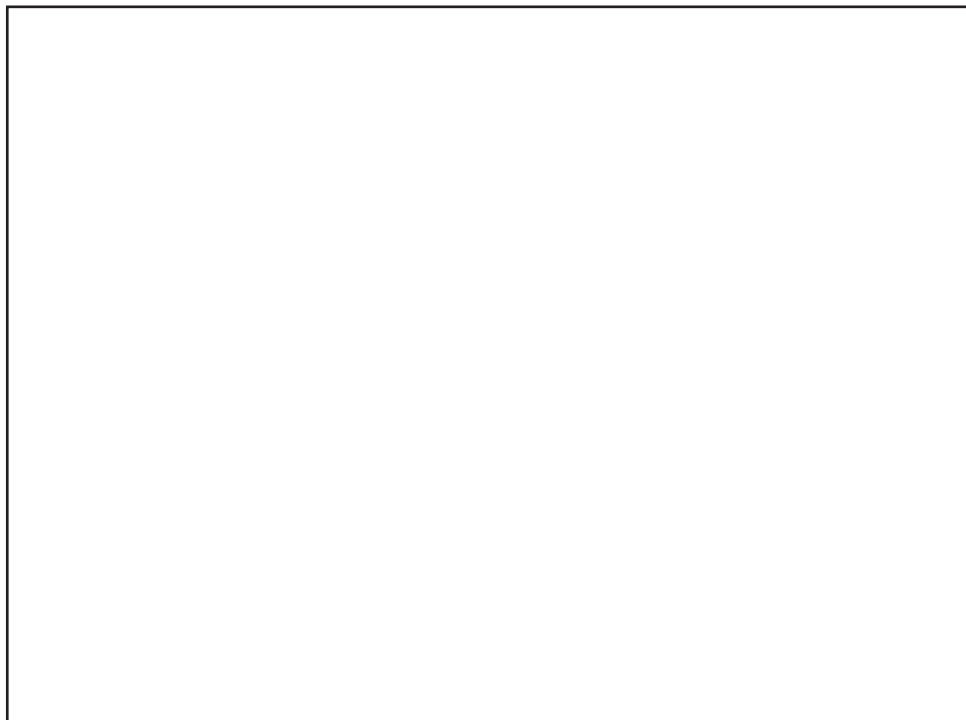


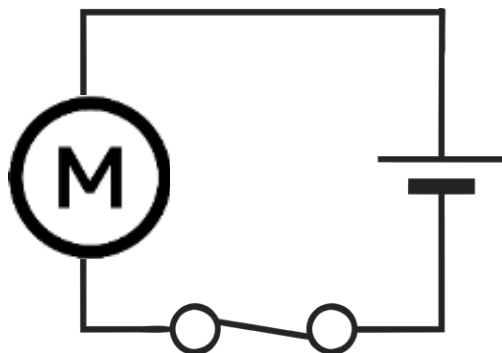




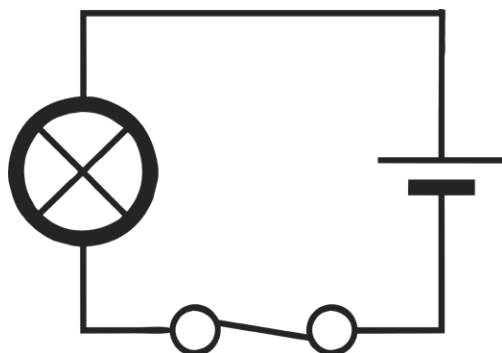
2. Draw a simple circuit with the following components:

battery, lamp and a closed switch

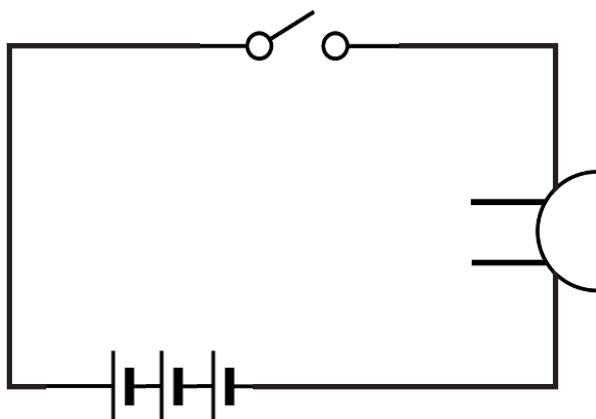




3. What will happen to the outcome of this circuit if more cells were added?
-



4. What will happen to the outcome of this circuit if another bulb was added?
-



5. What will happen to the outcome of this circuit if less cells were used?

6. What is voltage measured in?