

GRADE 2

Life skills

Term 3



Name:

# Why is soil important to us?

- People need soil to live. The land we live on is made of soil. We build our houses on soil, and we grow plants we can eat in the soil.
- Animals also need soil. Goats and cows eat grass and other plants that grow in the soil. Some small animals, like rabbits and mice, insects like ants as well as worms, live in the ground.
- Plants need soil to grow.

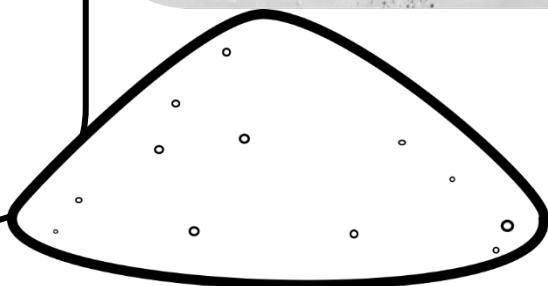


There are three different types of soil.



## Sandy soil

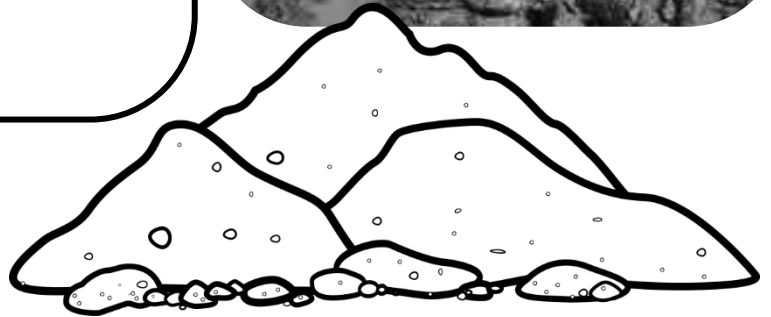
If you rub some of this soil with your fingers you will feel it is hard, dry and sandy. It is easy for the wind to blow sandy soil away. If you pour water over sandy soil, the water runs through it quickly, and carries away some of the sand. Plants don't grow well in this light-coloured soil.



2

## Clay

Some soil feels like clay. When you wet this kind of yellowish soil it sticks together. You can form all sorts of clay, like cups and bowls and clay animals, but it is difficult to grow plants in clay soil. When it rains, clay holds the water for a long time and the plants, that are growing in it, get too wet.



3

## Loam

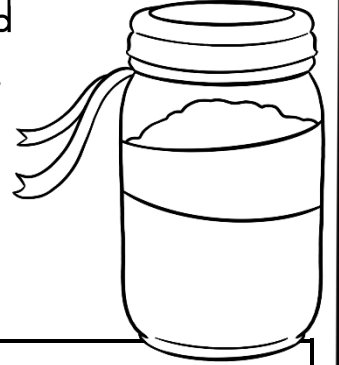
Loam is the best soil for seeds and plants. It does not get too wet or too dry. It has enough food to keep plants growing. Loam is like a mixture of sand and clay soils but is usually darker in colour.



# Investigate different types of soil

## Instructions

- Walk around the school grounds with your teacher and classmates and see if you can find sand, clay and loam.
- Bring the soil back to class in tins, bags or cups. (Bring these from home)
- Number the containers 1, 2 and 3.



Type of soil	How does it feel? (Colour the answer)			How does the soil look like	Were there plants growing in it?
	dry	wet and sticky	crumbly		
	dry	wet and sticky	crumbly		
	dry	wet and sticky	crumbly		
	dry	wet and sticky	crumbly		

Draw a picture of clay, loam and sandy soil.

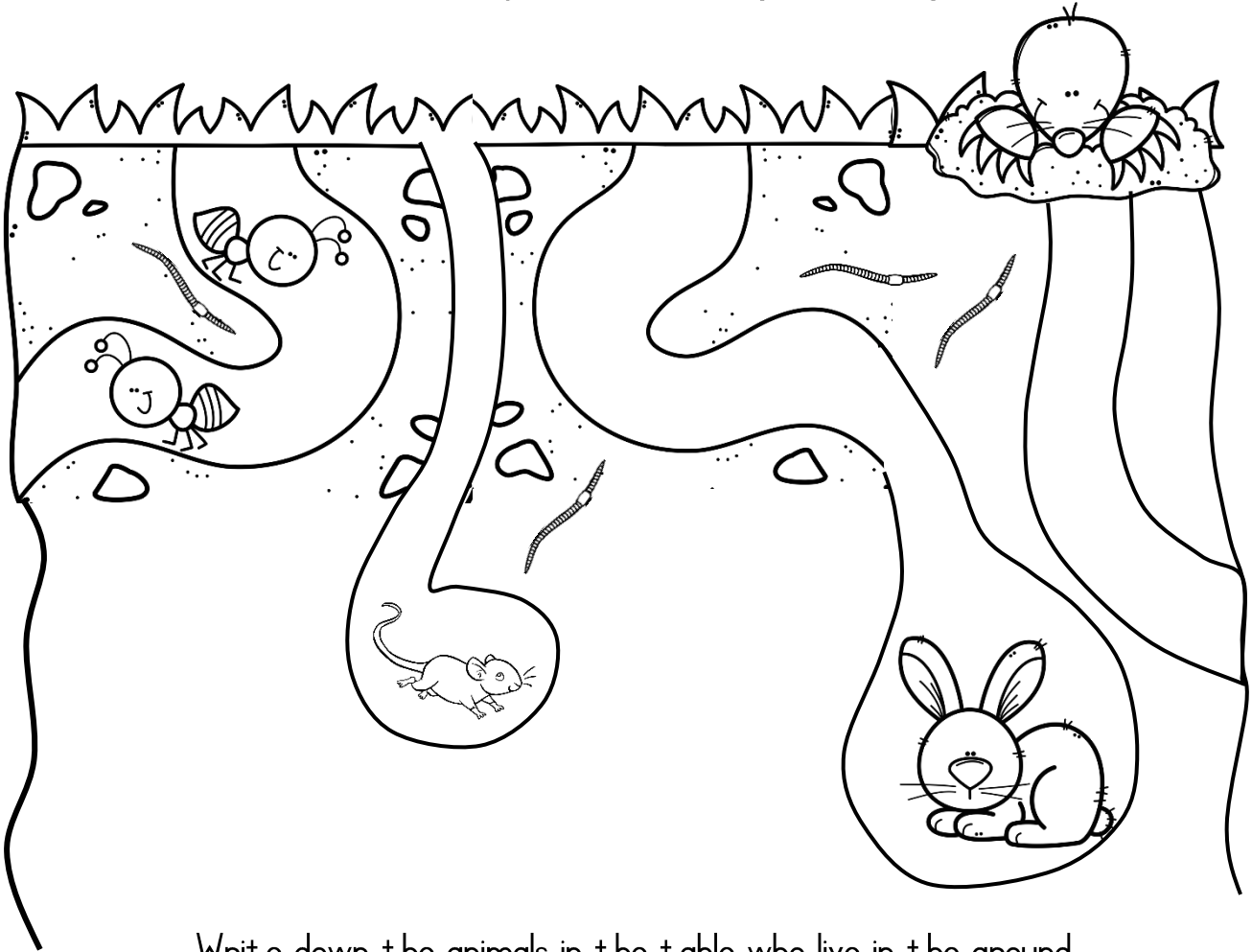
loam

clay

sandy soil

# The importance of soil

There are many animals living in the ground.



Write down the animals in the table who live in the ground.  
Think of more animals who live in the ground.  
Draw them in the picture above and write them down.

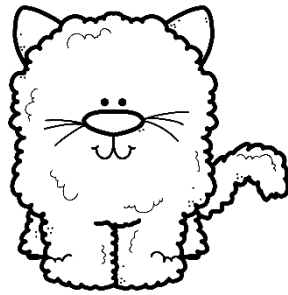

# Textures

How does these things feel?

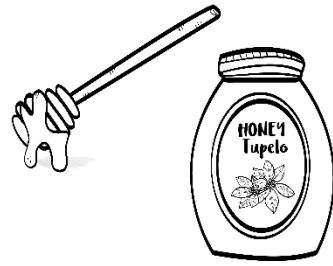
soft hard sticky smooth sharp slippery



rock



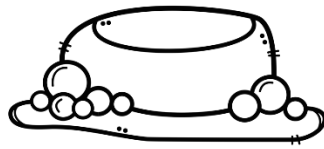
cat



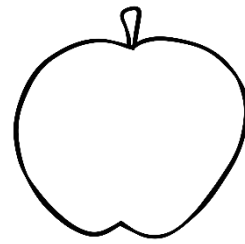
honey



thorn



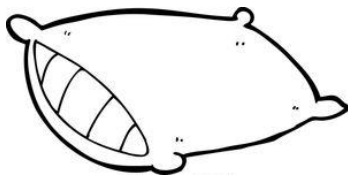
soap



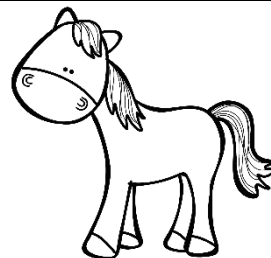
apple



broken glass



pillow

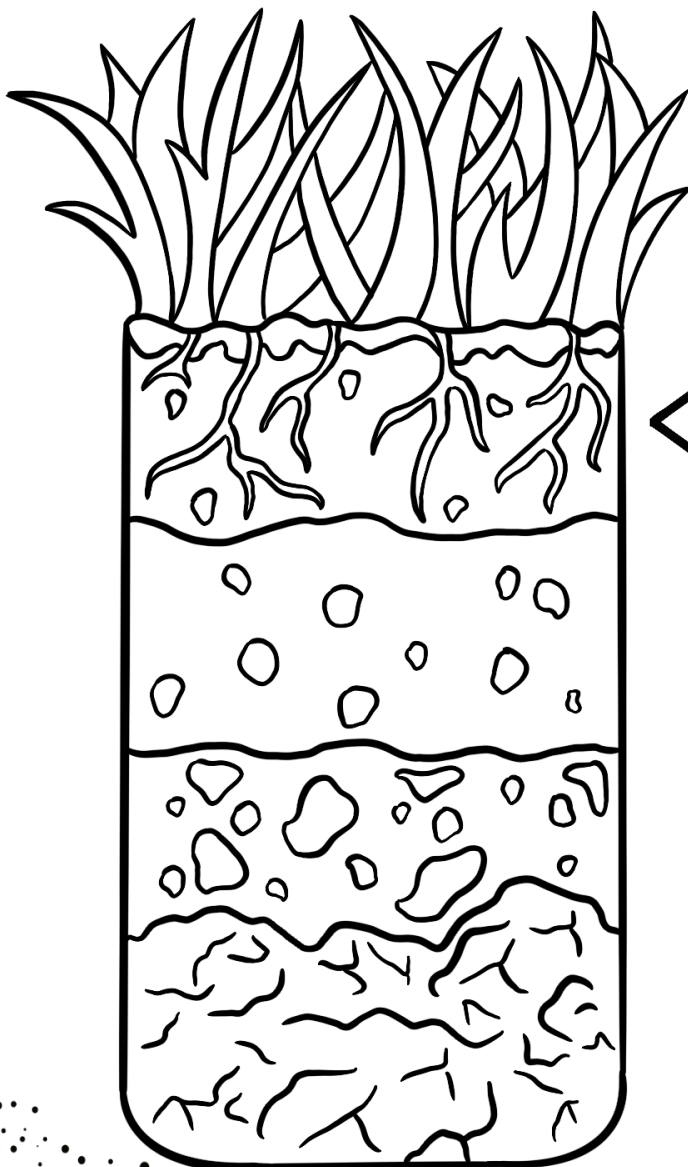


horse

## Topsoil

The most important part of soil for people and animals is topsoil. That is the soil in which plants grow. The roots of the plants stop the wind and rain from taking the topsoil away.

Plants die when there is too little rain, or when there is a fire. They also die if there is too much rain. If there are no plants, the topsoil washes away in the rain, or the wind blows it away. This is called erosion. People also cause soil erosion. If we do not look after the soil, it cannot feed the plants that grow in it, and they start dying. As a result, soil gets washed or blown away.

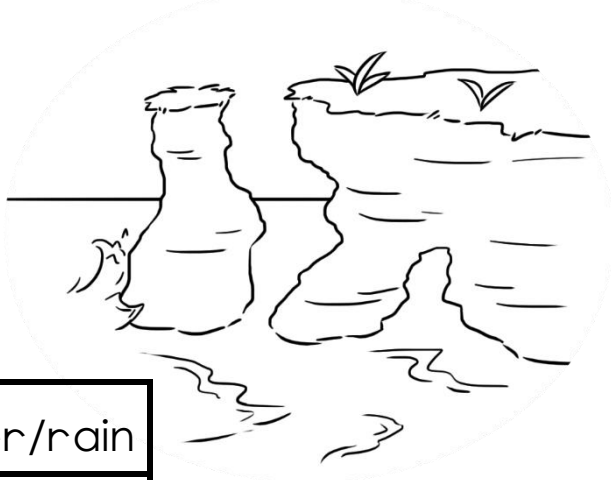


topsoil

Colour the topsoil brown.

# Erosion

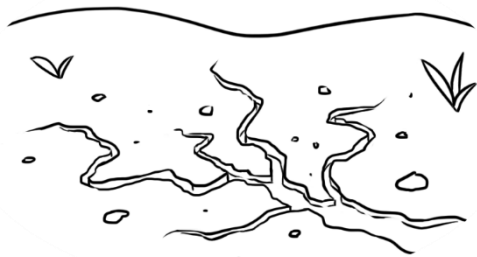
Look at the pictures. Decide if the erosion is caused by wind or by water(rain). Colour the correct answer.



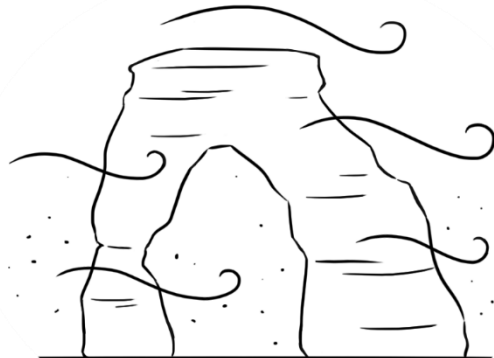
water/rain
wind



water/rain
wind



water/rain
wind



water/rain
wind



water/rain
wind



water/rain
wind

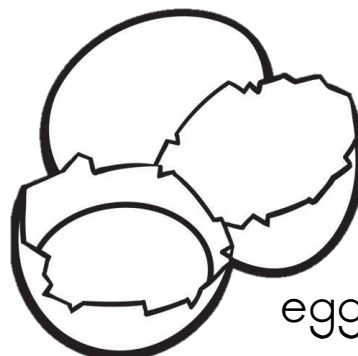
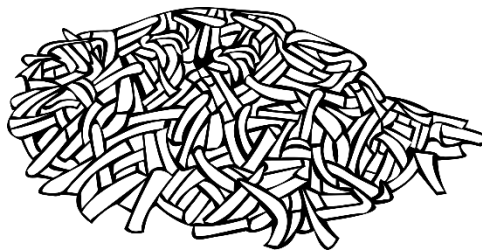
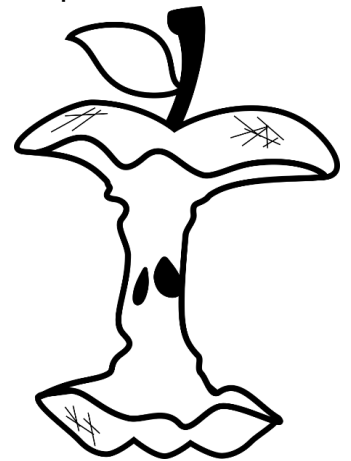


Trees and plants get their food from the soil. When different kinds of trees and plants grow together, they take different kinds of food from the soil and the soil stays healthy.

When a farmer grows just one kind of plant, like mealies, the same food is used by all the plants, then the soil cannot stay healthy. Farmers can keep their soil healthy by growing plants that use different kinds of food from the soil.

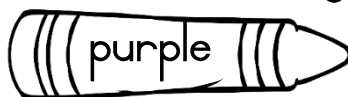
We can keep the soil in our gardens healthy by adding compost to it. You can make your own compost. Compost provides nutrition for plants. You can use the following to make compost:

## Compost

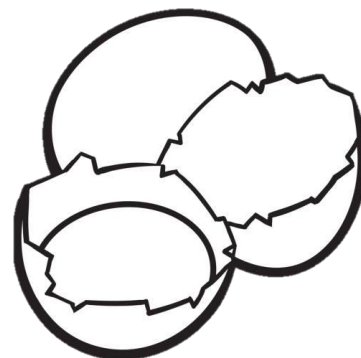
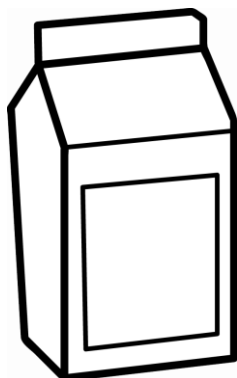
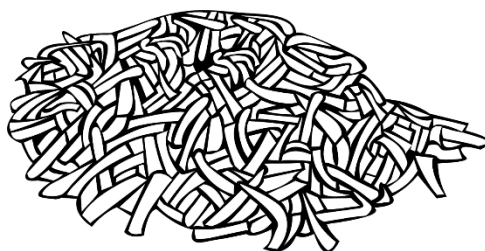
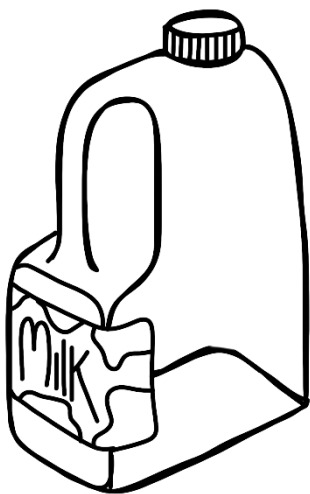
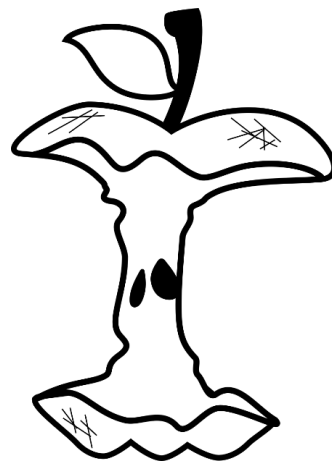


Colour the pictures the following ways:

Things you can use to make compost.

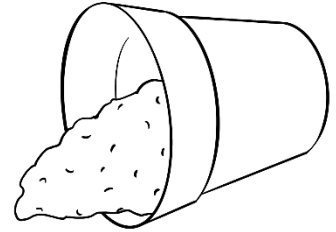
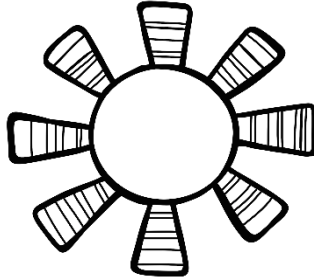


Things you must not use.

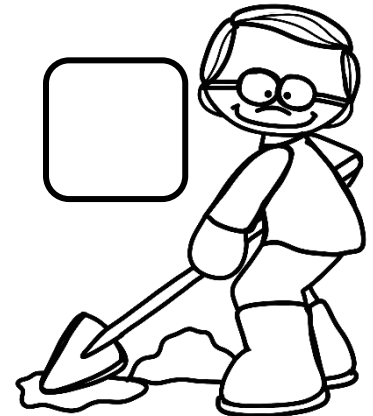
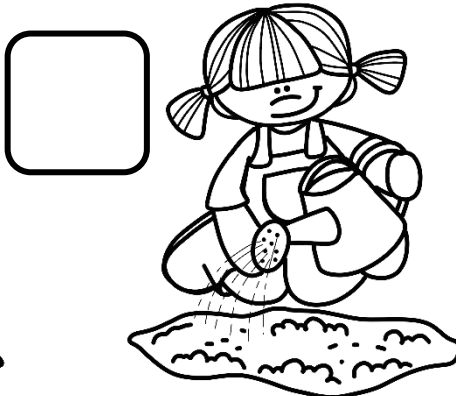


# How to grow plants

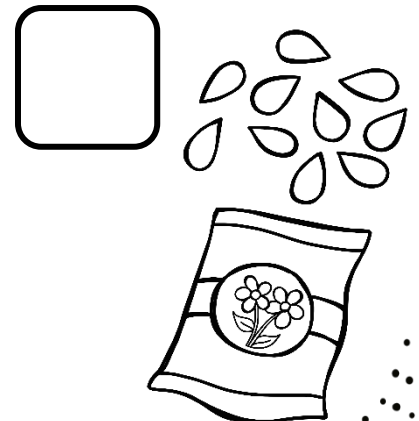
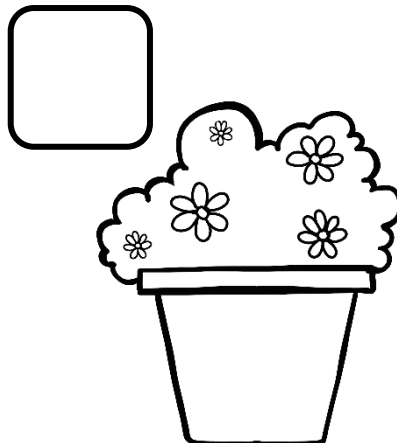
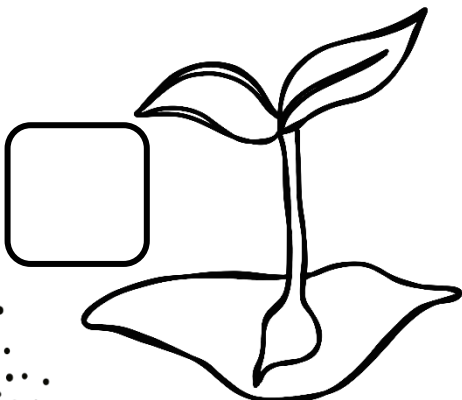
What does a plant need to grow?



Everyone is helping to plant. Number the pictures in the correct order.



Number the pictures in the correct order to show how the seed grows.



# Transport on land

## Road

Most of us travel by land on roads, railroads and footpaths. We also use vehicles like trucks and trains to transport things by land.

Draw a line from each picture to the correct word.

bus

donkey cart

motorbike

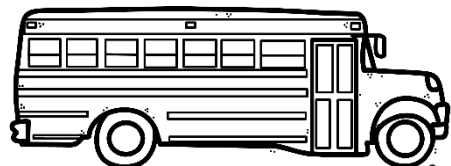
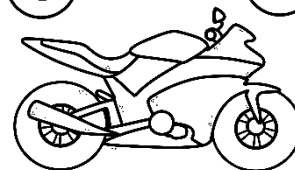
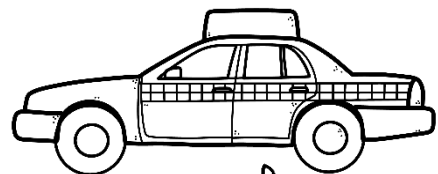
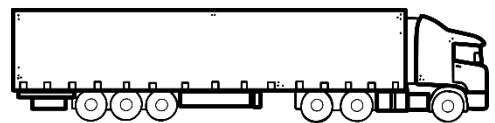
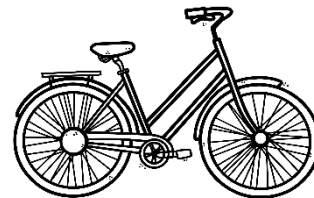
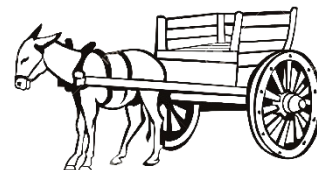
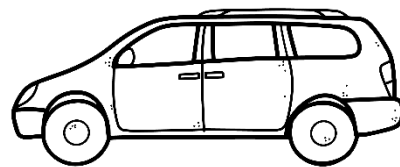
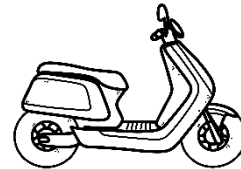
taxi

car

bicycle

scooter

truck



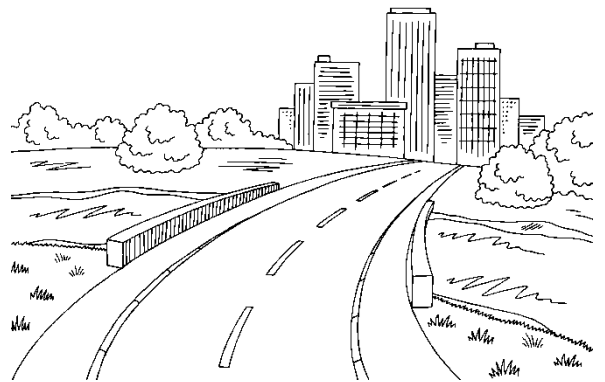
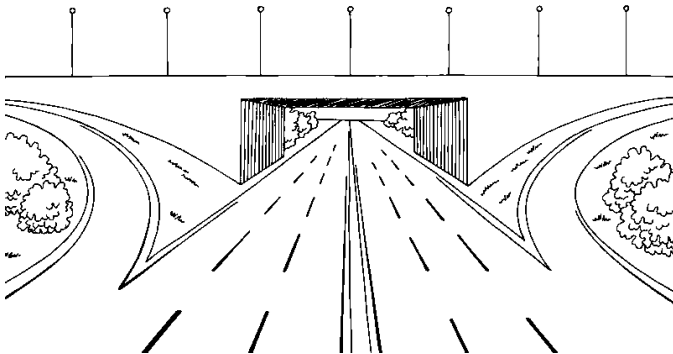
# Different roads

There are different kinds of roads, for example:

- dirt roads
- brick roads and tar roads.

Some of the roads that join two cities are twice as wide as other roads. They are called highways, and because there are two lanes on each side, four vehicles can use them at the same time. A freeway is like a highway, but the two sides of the road are separate. You can only go in one direction on one side of the road on a freeway.

Tar roads



dirt road



# Trains

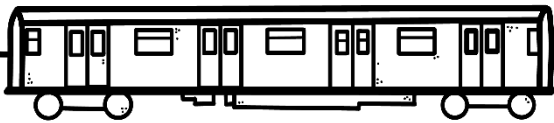
Road transport is not the only way of travelling by land. We can also use railways. They are like paths made of pieces of metal. These paths are called tracks. Trains travel along these tracks.

They carry people and things from one town to another. A train can transport many more people than a car or a bus. It can also carry heavier things and more things than a truck.



## Passenger train

A train that carries people only is called a passenger train.

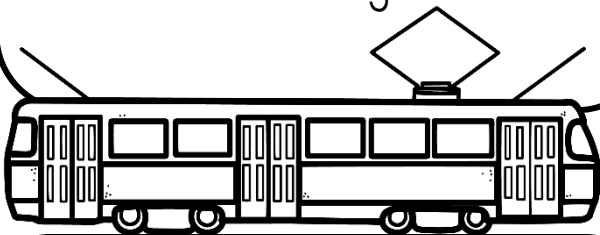


## Goods train

A train that carries things and not people is called a goods train.

## Electric train

It uses electricity for energy. The electricity comes from power lines above the railway line.



## High-speed rail train

This is a very fast electrical train that can do up to 200 km per hour. South Africa's first express train is the Gautrain in Gauteng.



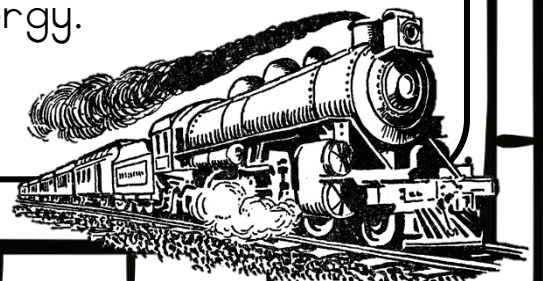
## Diesel train

It uses diesel for energy.



## Steam train

It uses steam for energy.



# Transport by air

Airplanes and helicopters all have very strong engines. An airplane can travel at 955 km an hour!

Hot air balloons and gliders do not have engines. Hot-air balloons stay afloat by hot air.

Gliders have wings to float through the air. People often use hot-air balloons and gliders for fun and sport.

Astronauts go into space in a space ship.

Draw a line from the words to their matching picture.

helicopter

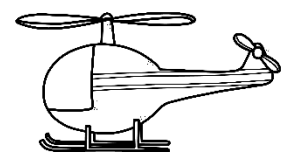
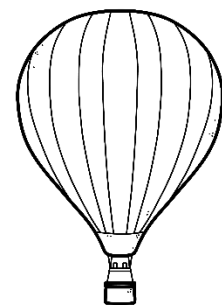
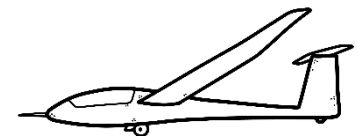
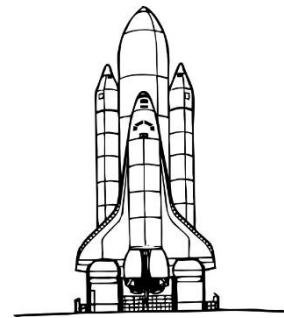
hang-glider

hot air balloon

passenger  
plane

glider

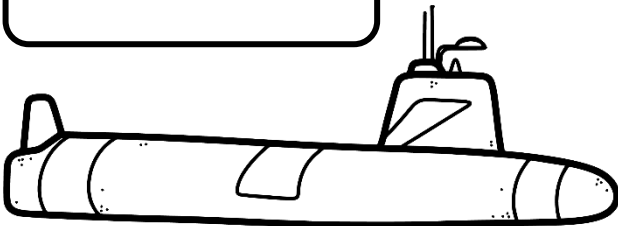
space shuttle



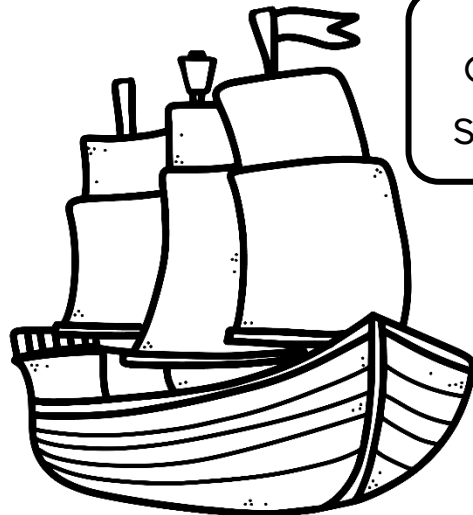
# Transport by water

People have used water to travel around and to transport things for hundreds of years. We travel across the sea to visit other countries, and we use rivers and lakes to travel to different places in our own countries.

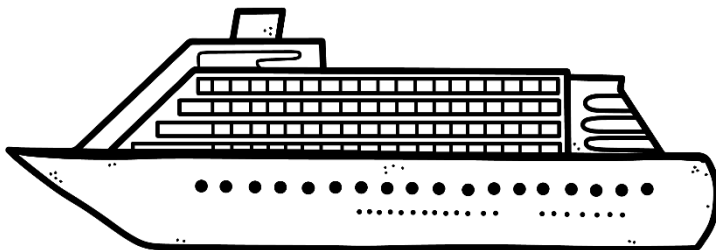
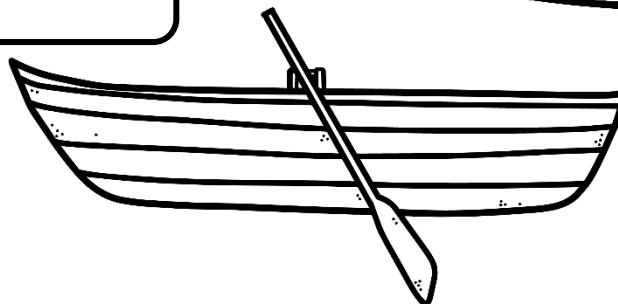
submarine



old ship



row boat



passenger ship



motorboat



sailing boat



# Transport by water

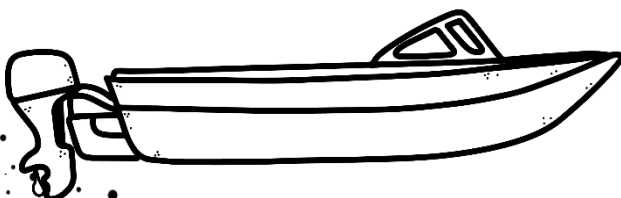
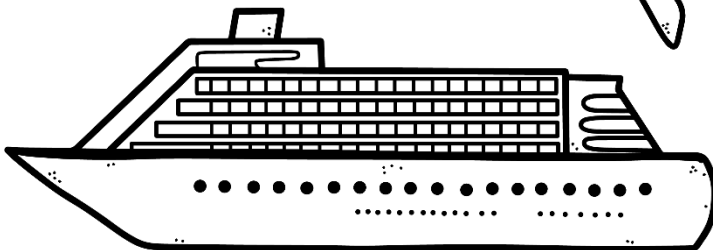
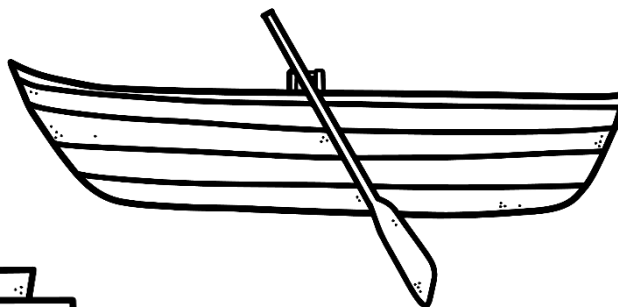
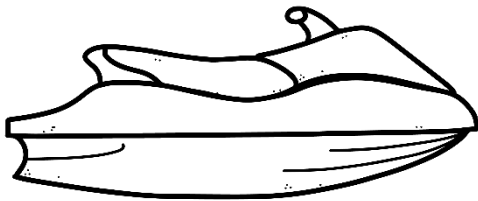
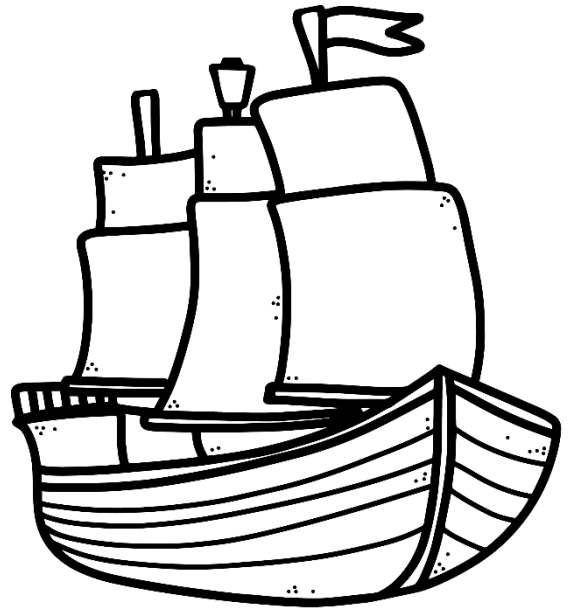
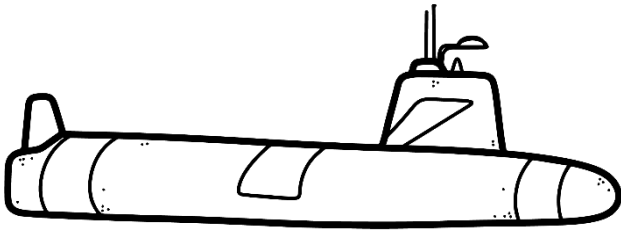
Colour the pictures the following ways:



Water transport people use to travel on a small river.



Water transport people use to travel across the sea to another country?



- Trains use different kinds of energy to make them move.
- Boats also use different kinds of energy.



human energy

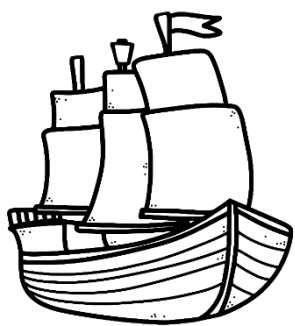


wind

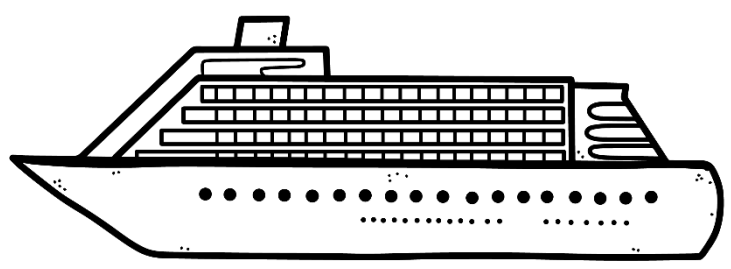
diesel or petrol

steam

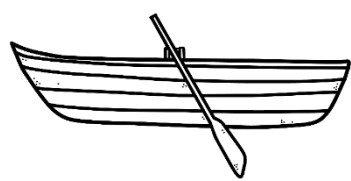
What kind of energy does the following boats use? Colour the correct answer.



wind  
petrol  
steam



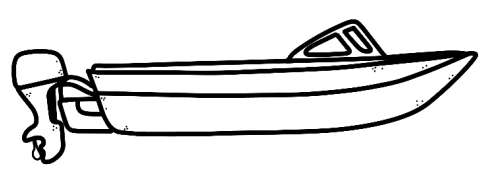
diesel  
human energy  
steam



diesel  
human energy  
steam



wind  
petrol  
steam



steam  
wind  
human energy

# Transport

Colour the pictures the following ways:

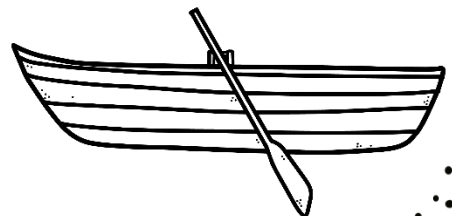
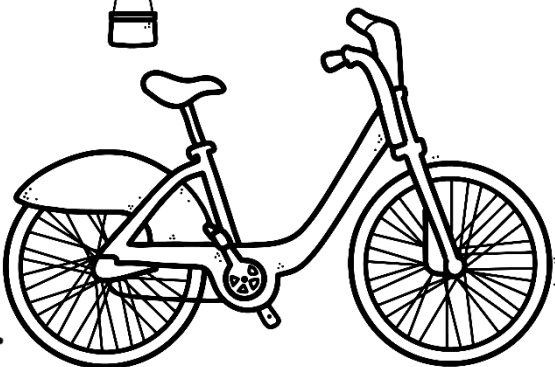
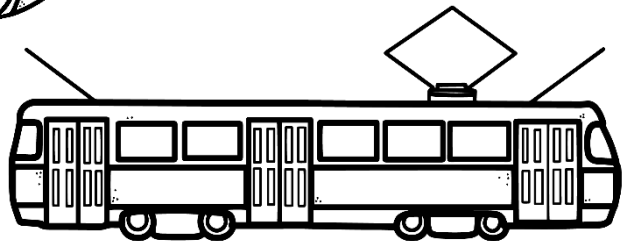
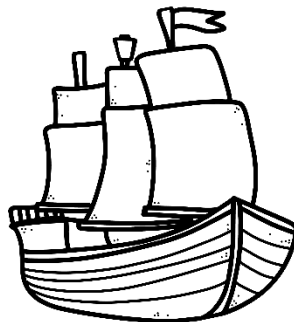
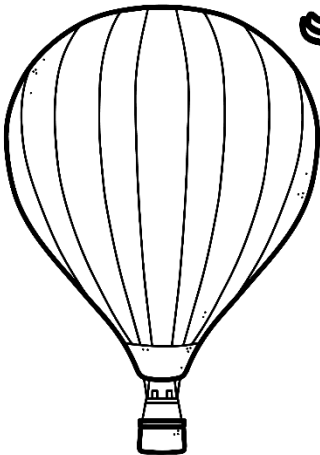
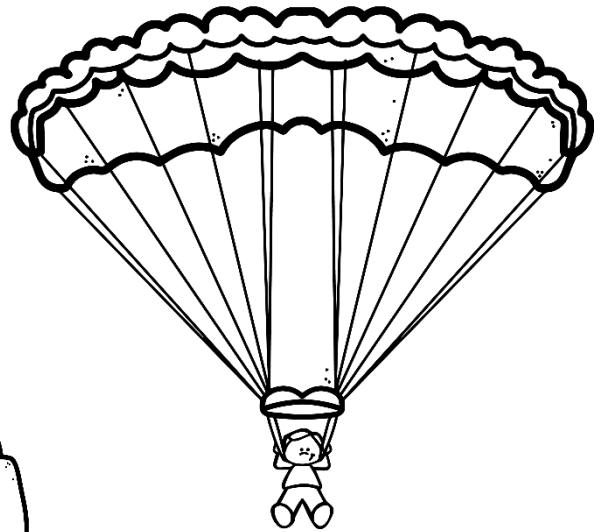
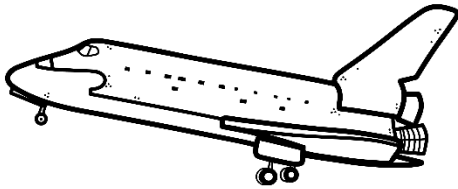
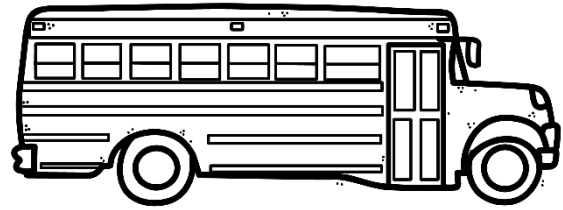
red



green



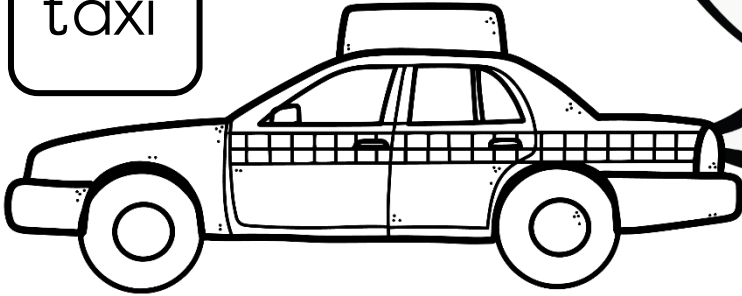
blue



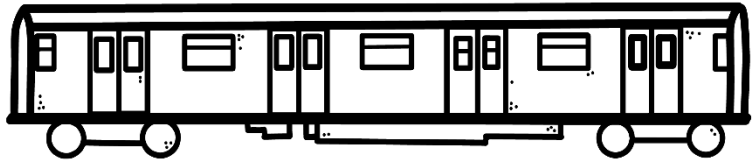
# Public transport

Public transport is transport that anybody can use, but you have to pay for a ticket.

taxi



train



bus



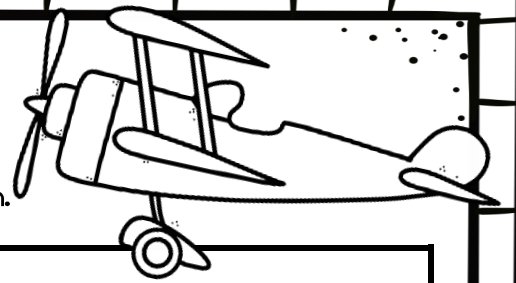
airplane



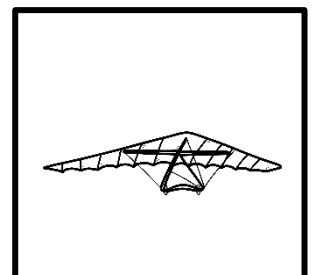
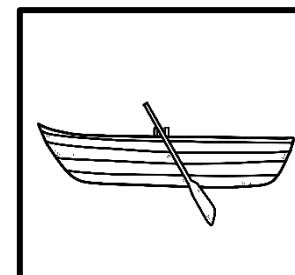
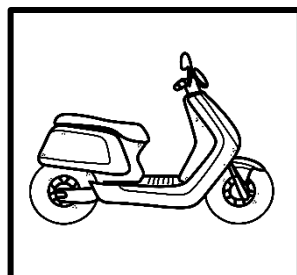
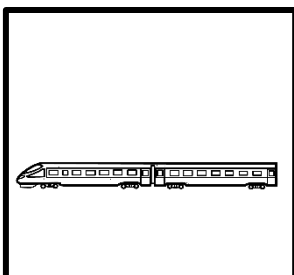
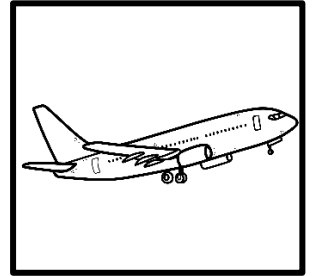
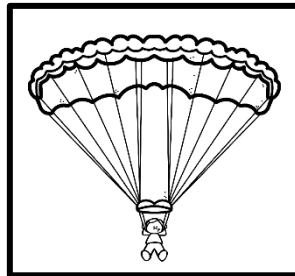
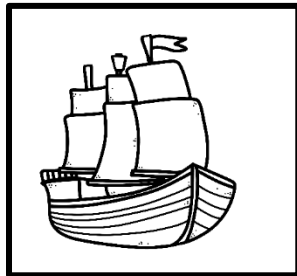
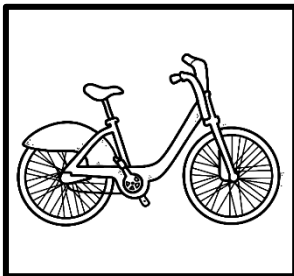
1. What is public transport? \_\_\_\_\_  
\_\_\_\_\_
2. With what transport do you come to school? \_\_\_\_\_  
\_\_\_\_\_
3. What kinds of public transport have you ever used?  
\_\_\_\_\_

# Transport

Cut the pictures out and paste it in the correct column.



Air transport	Road transport	Water transport



# Road safety

## Rules for pedestrians

- Before you cross a street, always look right, then left and then right again to make very sure there are no cars, bicycles, taxis or buses coming.
- If a road is very busy, find a stop street, or a robot or a zebra crossing and cross the road there – not anywhere in between.
- If there is a zebra crossing or a scholars' patrol, use it. These are the safest places to cross a road.
- Don't walk in the road. Walk on the pavement. If there is no pavement, walk as far away from the cars as you can. Always walk on the right-hand side of the road so that you can see the traffic coming towards you.
- Don't play any games near a road.
- Be extra careful before you cross at a place where cars enter or turn off the street.



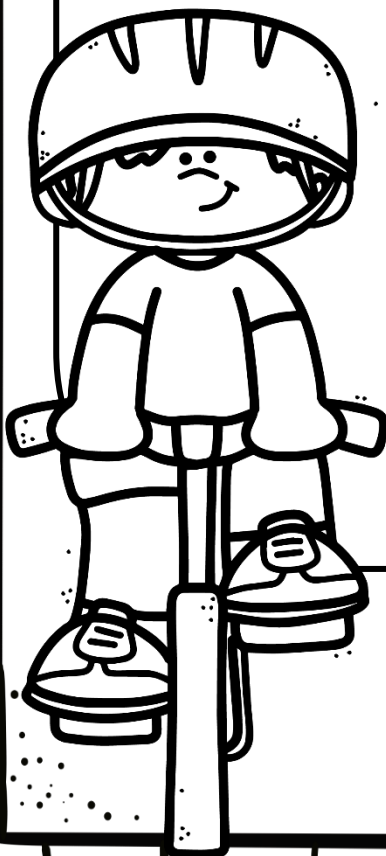
scholars' patrol

zebra crossing

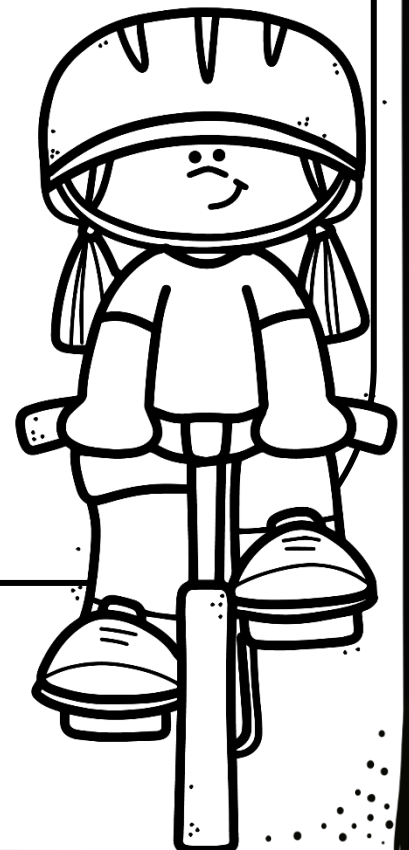
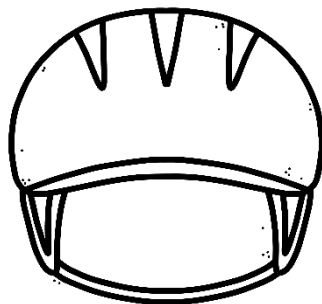


## Rules for people riding a bicycle

- Make sure there is nothing wrong with your bicycle. Check your tyres, the brakes, the pedals, the chain, the handlebars, bell and light before you ride.
- At night or when the light is bad, you need a bright light on your bicycle at the front, and a shiny sticker on the back.
- Always wear a helmet. It will help to keep your head from getting hurt if you fall or you have an accident. A helmet can save your life.
- If there is a special cycle path, use it instead of the road.
- Plan how you will get to where you are going.
- Use the safest route, not just the shortest route.
- Use the correct hand signals clearly when you turn.
- Never ride next to another cyclist – always ride behind one another.
- Never do tricks on your bicycle when you are riding in the road.



helmet



# Robots

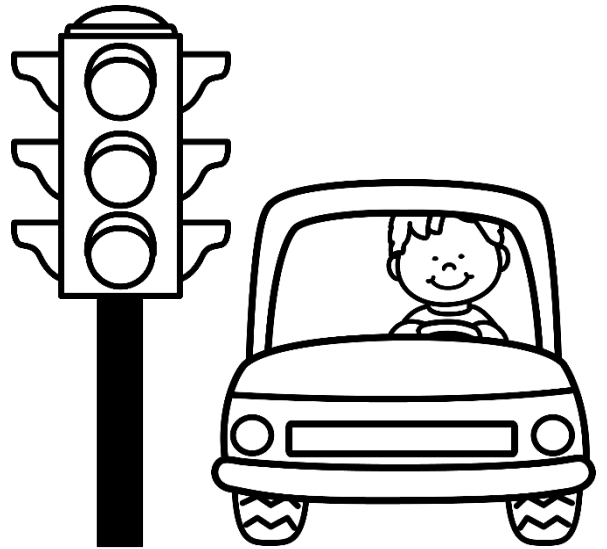
1. How many lights does a robot have? \_\_\_\_\_

2. What colours does a robot have?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. What do the colours mean?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

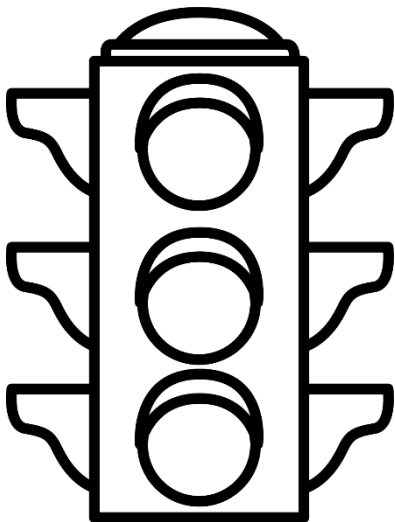


4. What colour is at the top? \_\_\_\_\_

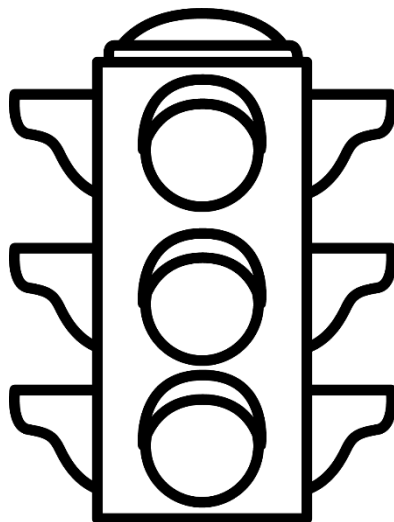
5. What colour is in the middle? \_\_\_\_\_

6. What colour is at the bottom? \_\_\_\_\_

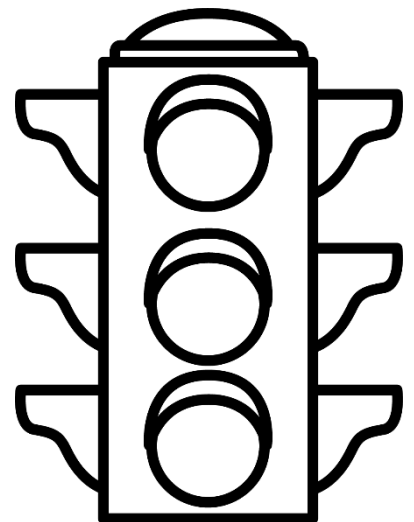
Colour the lights in these robots so that they match the word at the bottom.



stop



caution



go



# Road signs

Write the words at the correct road sign.

stop

Pedestrians are not allowed.

Pedestrians can cross here.

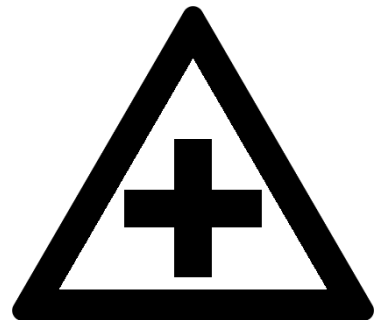
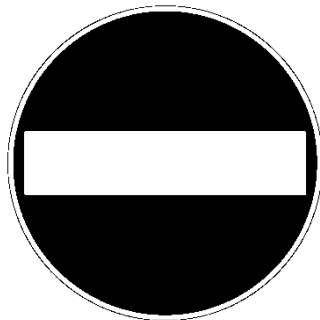
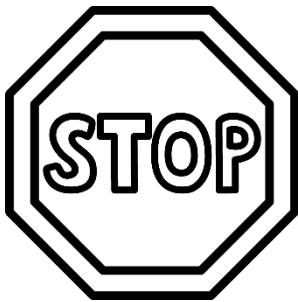
library

Do not enter here

There is a crossroad ahead.

You are not allowed to pass the car in front of you.

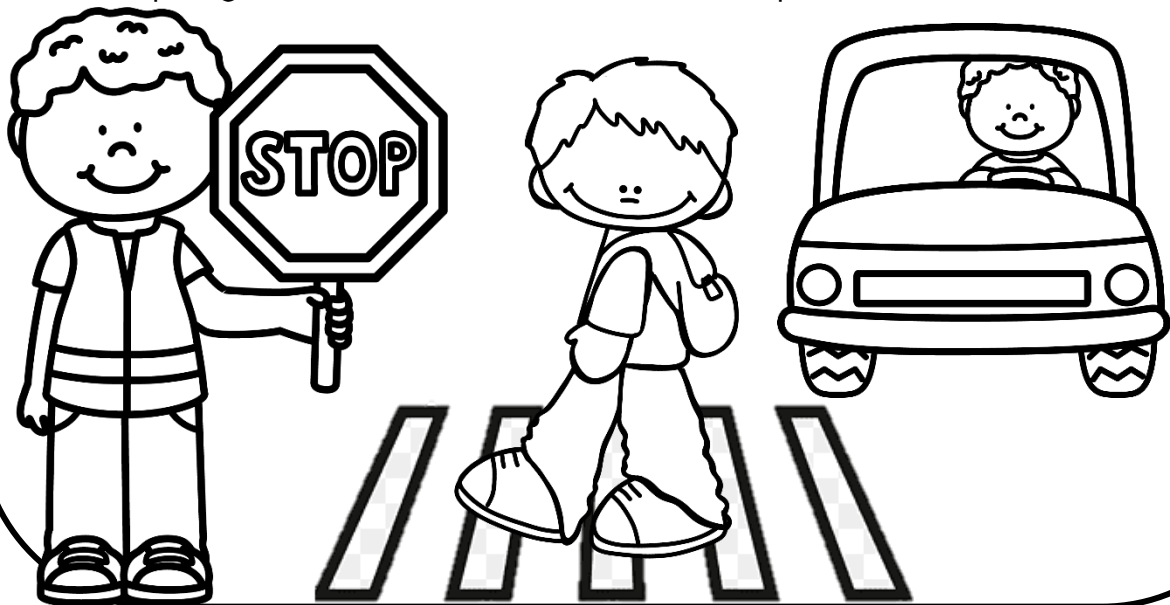
Only pedestrians are allowed.



# Scholars' patrol

The scholar patrol helps to stop the traffic so we can cross the road safely. It is not safe for children to cross the road alone.

The scholar patrol helps at our school. They wear bright yellow or orange jackets so that cars can easily see them. They blow a whistle to stop the traffic. They then hold out a stop sign to show the traffic to stop.



Answer the questions below.

1. What does the scholar patrol do? \_\_\_\_\_  
\_\_\_\_\_
2. Is it save for children to cross the road alone? Why do you say so?  
\_\_\_\_\_  
\_\_\_\_\_
3. Why does the scholar patrol wear bright jackets? \_\_\_\_\_  
\_\_\_\_\_
4. How does the scholar patrol stop the traffic? \_\_\_\_\_  
\_\_\_\_\_
5. Is there a scholar patrol at your school? \_\_\_\_\_

# Traffic police officer

A traffic officer makes sure people obey the traffic rules.

They hold roadblocks to make sure that your license is correct and that your vehicle is roadworthy. They also stop people who are driving too fast and they get fines.



Answer the questions below.

1. What type of police officer is mentioned above? \_\_\_\_\_

2. What does a traffic officer do? \_\_\_\_\_  
\_\_\_\_\_

3. Why does a traffic officer stop cars at a road block?  
\_\_\_\_\_  
\_\_\_\_\_

4. Has a police officer stopped your mother or father at a road block?  
Why did they stop them?  
\_\_\_\_\_  
\_\_\_\_\_

# People who help us

Write the words in the blocks under the correct picture.

florist

firefighter

doctor

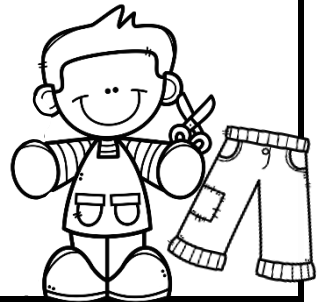
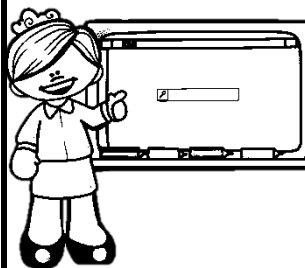
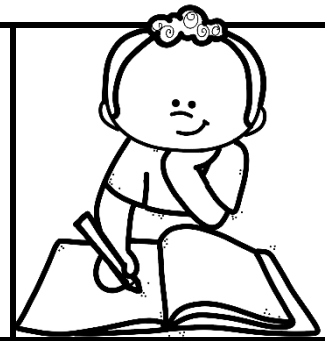
tailor

cook

teacher

hairdresser

writer



Draw a line from the kind of work on the left to the word that matches it on the right.

florist

cook

doctor

firefighter

teacher

hairdresser

tailor

writer

book

food

scissor and hair

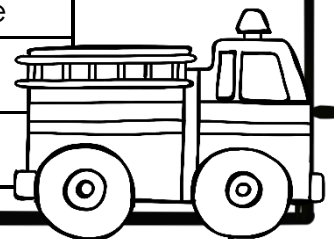
flowers

medicine

fire-engine

clothes

learners



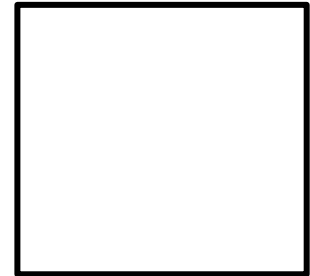
# People who help us

Cut the pictures out and paste them next to the correct description.

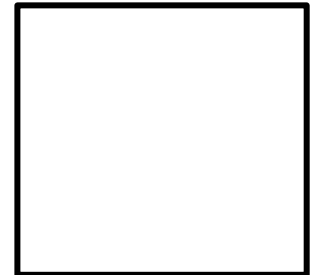
I help people in the library to take out books or to find information. Sometimes I tell stories to children.



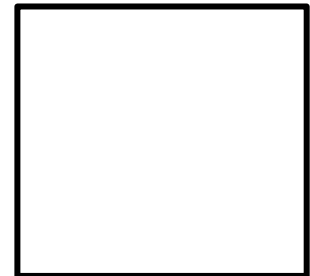
I love animals. I help animals that are ill or that have been hurt.



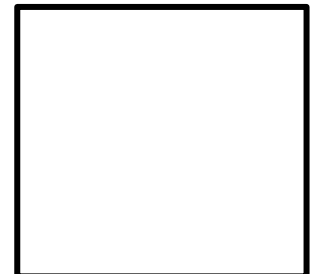
I bring your letters from the post office and I put them into your postbox at home.



I help you when you have toothache. I show you how to look after your teeth and keep them healthy.



I help sick children and adults. I give them medicines and injections to help them get better.



I make sure that the streets are clean. Every week, I come on the garbage truck to collect garbage from your home.



