

# Cleaning up: Outcomes and activities

## God is Pure and Holy Year 4

### **Spiritual Overview: God forgives and makes us clean**

Making things clean is a Biblical symbol for God's purity and holiness. Our hearts are made clean by God's forgiveness. Jesus died to cleanse us from sin. He offers forgiveness to all those who will accept it.

We can never cleanse ourselves from sin. We can never be good enough by trying our best. It is Jesus who does the cleansing and washing away of sin. God became a man, and through His death on the cross He offers His perfection and holiness to us. If we accept Him as Lord of our life, God looks at us as clean vessels.

### **Our response to 'God is Pure and Holy'**

Because God is Pure and Holy I will...

- Obey Him.
- Try to do the things He wants me to do.
- Ask God to forgive me when I sin.
- Ask Him to make me clean inside.
- Admit when I make mistakes.
- Remember the fruits of the Spirit and try to show them in my life.
- Have respect for other people.
- Put God first in my life.

### **Bible stories and passages**

Matthew 23:13-27 Jesus said that we must be clean on the inside, not just the outside.

Mark 7:1-16 The ceremonial cleansing by the Pharisees did not really make them clean.

Luke 19:1-19 Zacchaeus was forgiven and he changed his ways.

1 Samuel 16:7 Man looks on the outside appearance but the Lord looks on the heart.

Matthew 26:69 & John 21:15 Jesus forgives Peter.

John 13:2-17 Jesus washed the disciples' feet.

Matthew 27 Jesus died for our sins

### **Bible verses**

1 John 3:9 Whoever is a child of God does not continue to sin.

Psalms 51:7 Take away my sin and I will be clean. Wash me and I will be whiter than snow.

Matt. 6:9 Forgive us our sins as we forgive those who sin against us.

Psalms 51:10 Create in me a clean heart O God

### **Key Questions**

Why do we need to clean our homes - inside; outside?

Why do we need to keep our bodies clean?

What is sin?

How do we feel when we sin?

Who can forgive us for our sin?

What does Jesus mean when He says that we must be clean on the inside?

## Outcomes

Students will

### *Knowledge*

- understand the requirements of maintaining a clean home environment
- suggest ways of maintaining a clean school environment
- suggest ways of cleaning up the environment
- understand the importance of both outer and inner cleanliness
- understand that inner cleanliness cannot take place by 'being good', but by accepting God's forgiveness and living as a disciple of Jesus

### *Skills*

- observe the reactions cleaning agents have on objects
- classify cleaning agents according to properties
- record results on a chart

### *Values*

- willingly undertake cleaning activities
- apply themselves to the task and finish the task

## Activities

**Caution - Select substances that are safe for the student to use, and ward against touching eyes when using soaps.**

- List the jobs that need to be done in the home.
- Match cleaning agents, or cleaning utensils to jobs, e.g. washing powder for washing clothes; broom for sweeping.
- List the ways in which we keep our bodies clean.
- Make a poster about 'keeping clean'.
- Match personal care products to task, e.g. shampoo for washing hair.
- Discuss reasons for keeping clean, germs, disease and the need for sterilization.
- Classify cleaning agents and describe their properties, e.g. makes bubbles, makes froth, used with water, powder, liquid, spray pump.
- Wash clothes and observe drying rates in different weather conditions.
- Blow bubbles.
- Add cleaning products to half-filled jars of water. Screw on the lid and shake. Compare quantities and sizes of bubbles. Observe whether bubbles remain on the surface, how long they take to disappear, oiliness on the surface, sediments.
- Test products for dissolving ability in cold water compared to hot water.
- Conduct a stain removing experiment. Prepare stains on pieces of white fabric, e.g. mud, grass, ink, beetroot juice. Prepare bowls of cold water, of equal volume. Add different kinds of cleaning agent, (liquid detergents or dissolved powder soaps, Bi-carb soda), to each bowl. Soak for at least 24 hours. Repeat the experiment with warm water.
- Draw conclusions about the best stain removers.
- Record results in table form.
- Discuss ways to dispose of rubbish.
- Investigate germs, disease and disease carriers.
- List creatures that love garbage, e.g. flies, rats, cockroaches, dogs and cats.
- Perform 'clean up' operations in and around the school.
- Make posters about keeping the environment clean.
- Discuss 'clean up' jobs that need to be performed in the environment, e.g. cleaning up litter, oil spills, rubbish in waterways.
- Investigate ways of recycling of paper, glass, cans.

# Year 4 Values education

## God is Pure and Holy

### Responsibility

God expects us to do what's right. God shows us what is right in His Word, the Bible. We have a responsibility to care for the environment.

#### Responsibility is...

- being reliable
- being accountable
- looking after my possessions
- caring for God's world
- doing the things I should do
- being in charge of the way I act
- doing the things I am meant to do

#### Activities

1. Choose a pet that you would like to be responsible for. Write your pet's name, and the kind or breed of animal. It can be a pet of your own, or an imaginary one. List all the things you must do to be responsible for your pet.
2. What would happen if you didn't do these things?
3. Name some of the jobs you are responsible for at home. What do you have to do, to do these jobs properly?
4. List some ways of being responsible at school.
5. A baby is not responsible because it is too young. Who is responsible for a baby? When do you think the baby starts to become responsible?

#### What does the Bible say about responsibility?

1 Peter 2:2 Grow up to be strong Christians.  
Ephesians 5:8 Live as children of the light.

# Practical Science Year 4

## God is Pure & Holy

### Topic: Cleaning up

### Purifying water

### (Mixtures, sediments and suspensions)

#### What you will need:

- Glass jars
- Some dirt
- A strainer
- Some filter paper

#### What to do:

1. Mix the dirt with water in a jar. Now you have a *mixture*!
2. Mix thoroughly with a spoon.
3. Let it stand for a few minutes.
4. Now try to purify the water.
5. You can skim off any floating particles using a strainer.
6. You can pour off the water into another jar, leaving behind the particles that have sunk to the bottom. The particles at the bottom make a *sediment*.
7. Note whether the water you have poured off is clear or muddy looking. When there are particles floating in the water, (not just on top), it is called a *suspension*.

#### Record your results:

What did see?

Why do you think this happened?

## Properties of cleaning products

Test cleaning products to see what they can do.

Complete the table, giving each a score out of 5.

	Detergent	Soap powder	Bi-carb soda
Makes bubbles			
Makes froth			
Cleans clothes			
Cleans dishes			
Cleans bench tops			

# Art Year 4

## God is Pure and Holy

**Biblical connection:** God wanted the Israelites to be a pure and holy nation, honouring God and not serving other gods. This is because one day, Jesus would be born into the nation of Israel. God chose Moses to be lead the Israelites out of Egypt, where they were slaves to the Egyptians who worshipped false gods. Many years later, when Jesus came to earth and died for us, he gave all people the opportunity to belong to Him, by asking Him to take our sins and live for Him.

**Bible art as a wall display:** Show the story in pictures, from slavery in Egypt to the crossing of the Red Sea.

**Bible verse for display:**

Leviticus 11:45 45 I am the Lord who brought you out of Egypt so that I could be your God. You must be holy, because I am holy. (Good News Bible)

### 1. Drawing

Students can draw the events in the escape from Egypt.



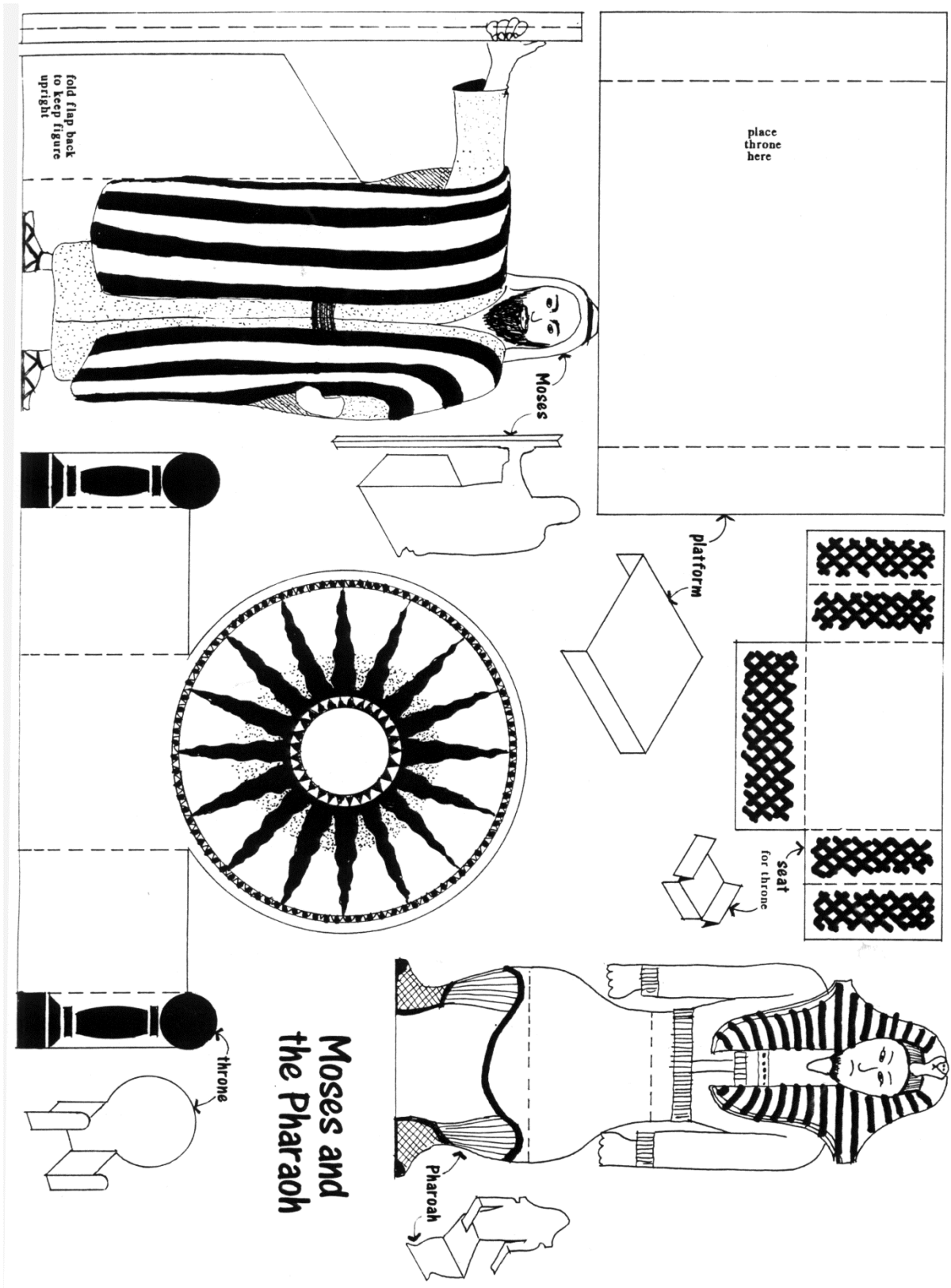
### 2. Construction

Use the template on the next page to make paper models.

### 3. Environmental cleanup: drawing, painting and collage

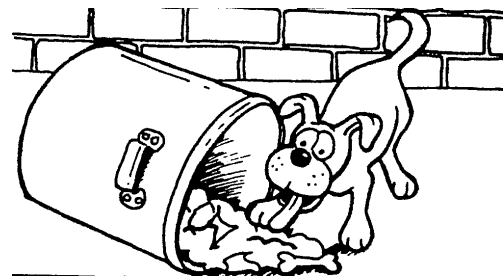
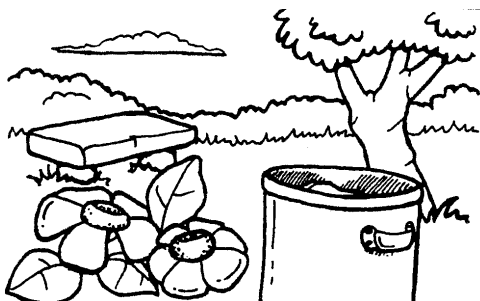
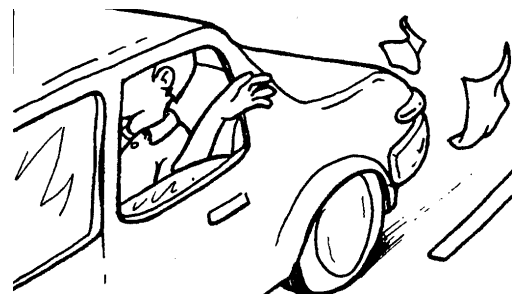
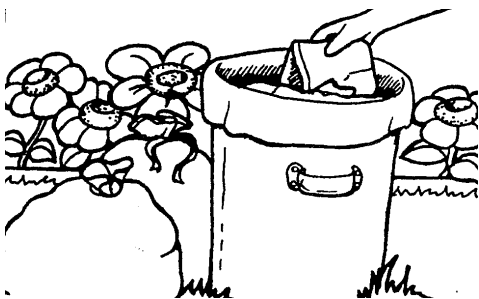
Draw or paint scenes of environmental cleanup, in different environments, e.g. cities, rivers, oceans and lakes, home environment, school yard

Draw the steps in the process of garbage disposal.



## Be Clean and Tidy

There's just one thing we'd like to say,  
Keep our environment clean every day.  
Don't throw your mess and muck around,  
It looks so awful on the ground.  
But worse than that, it brings the flies.  
They get into your food and eyes,  
And spread disease in ways so quick,  
You're sure to end up feeling sick.  
So use your brains and use a bin.  
It's made to keep your rubbish in.  
And if there's no bin around,  
Take it home. Don't leave it on the ground.



**Yes!**

**No!**

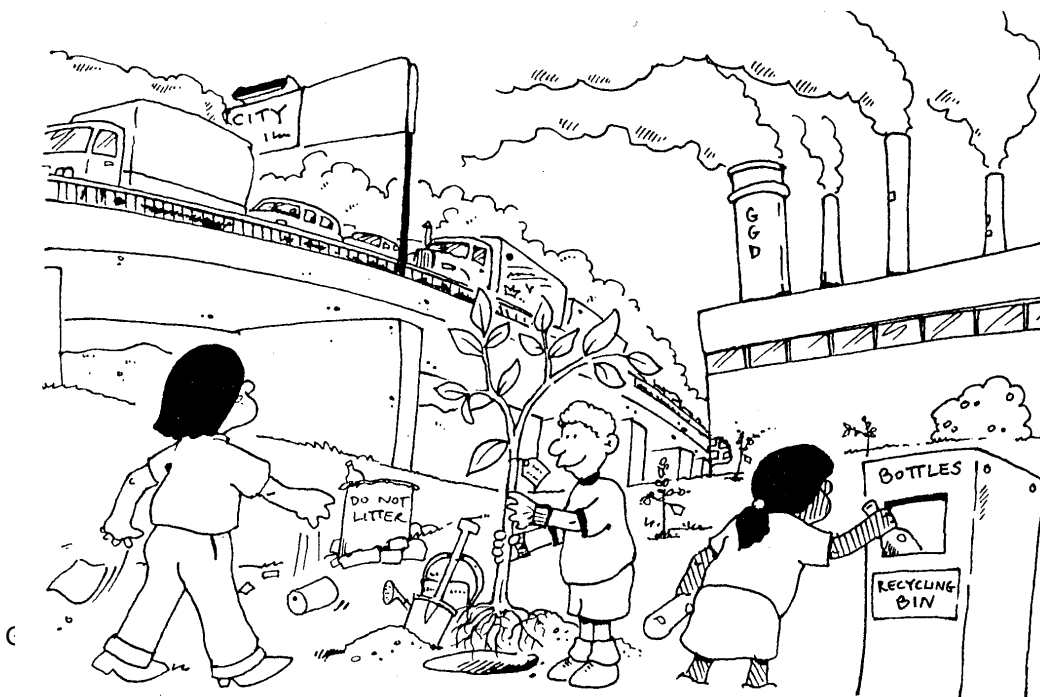
# Caring for the environment

Look carefully at the two pictures. Find all the things that are harmful to the environment. List them in your book.

Picture 1



Picture 2

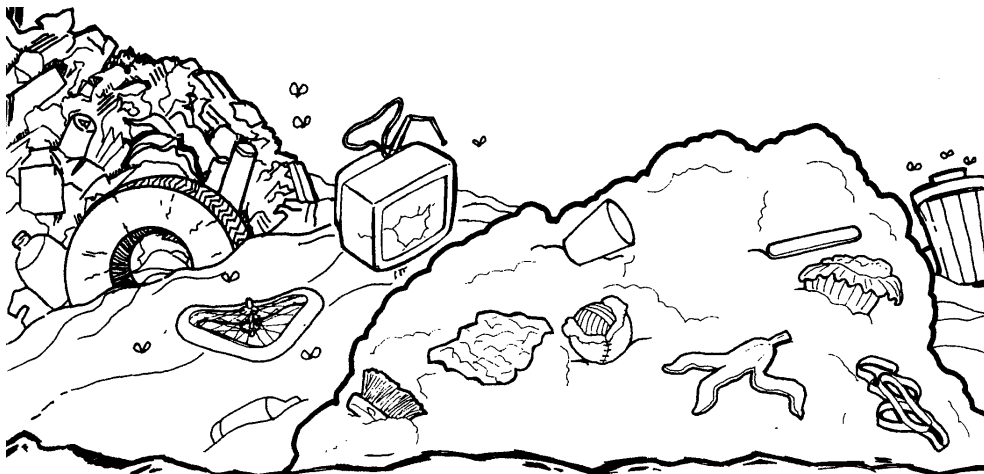
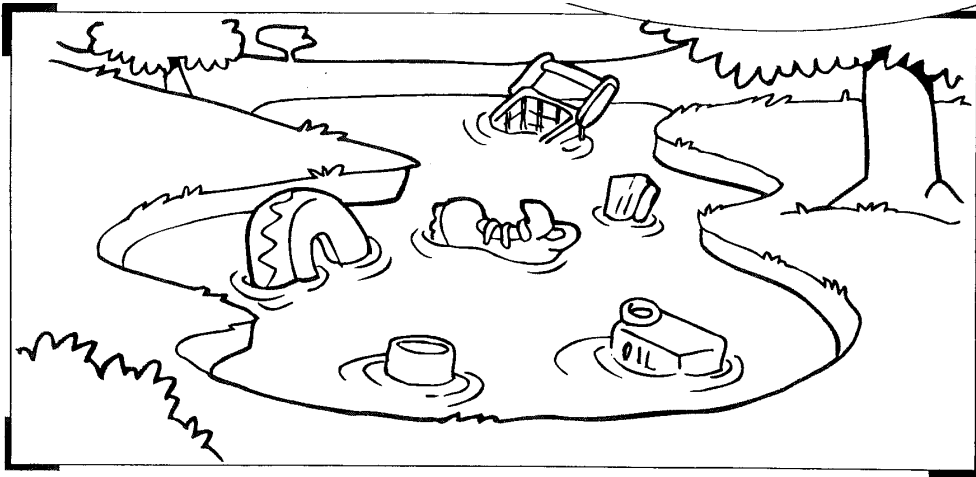




# Cleaning up

Draw these pictures. For each picture:

1. Write a description of the problem
2. Explain what you could do to clean up the mess.



## Comparing washing powders

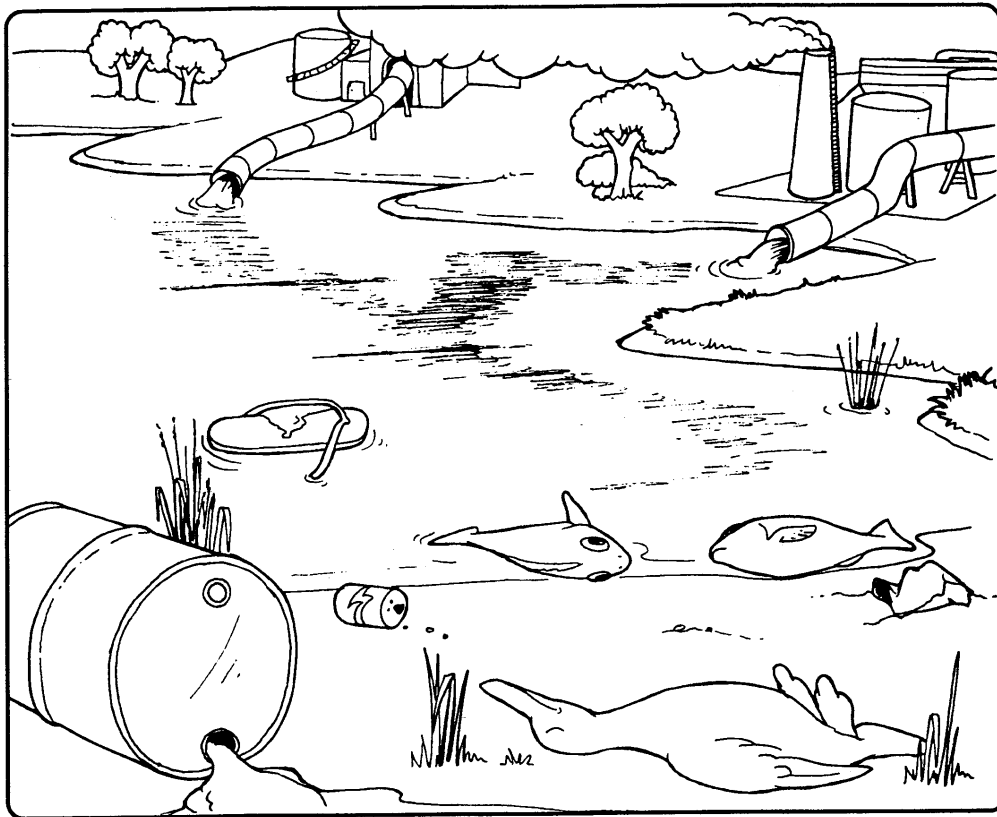
Next time your family goes shopping, find the washing powder shelves in your local supermarket/store.

- Fill in the following sheet:

BRAND NAME	MASS	PRICE	USE IN COLD WATER: YES/NO
<i>Example: Sudsy</i>	<i>1 kg</i>	<i>\$3.63</i>	<i>yes</i>

- Which washing powder costs the most? \_\_\_\_\_
- Which washing power is the cheapest? \_\_\_\_\_
- Write the brands in order from the cheapest to the most expensive:  
1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_
- Does a 2 kg packet of washing powder cost twice as much as a 1 kg packet?

## Pollution in lakes and rivers



1. List the causes of pollution in this picture.
2. List the results of the pollution.
3. Much of the rubbish that people throw away gets washed into the drains when it rains, and finds its way to the rivers and lakes, and even the sea. What problems will this cause for our planet?
4. List the most common junk food packaging we find as rubbish. (Don't forget about plastic straws.) What could you do to stop this?

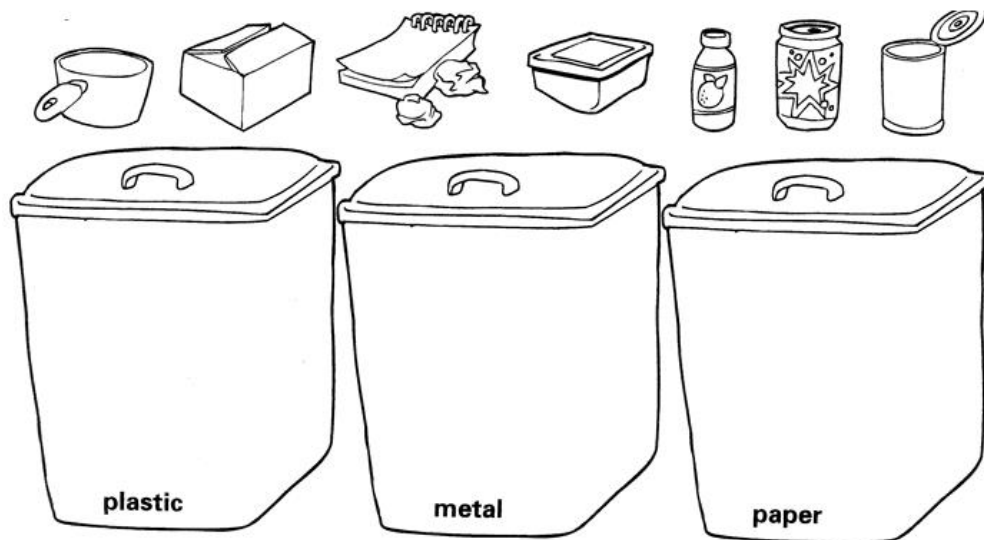
# Recycling

Recycling is making something new out of something old.

Much of our rubbish can be taken to a factory where it is processed and made into new things.

Draw three large bins.

Write and draw the things that should go in each.



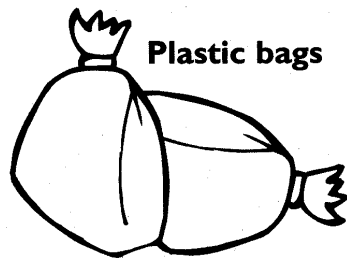
old saucepan, box, note pad, plastic container, plastic bottle, glass jar, tin can

What else could go in these bins?

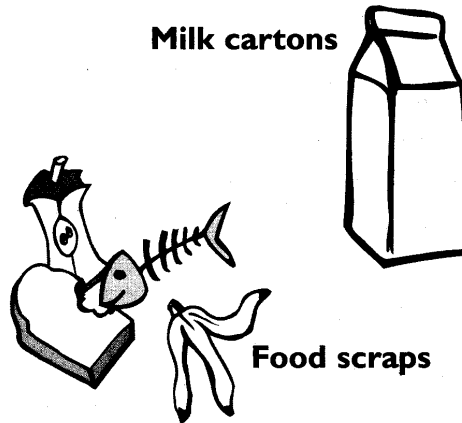
# Recycling

Most of what we throw away can be recycled. Write the names of the things below that can be recycled.

What could they be made into? How could some of them be used again?

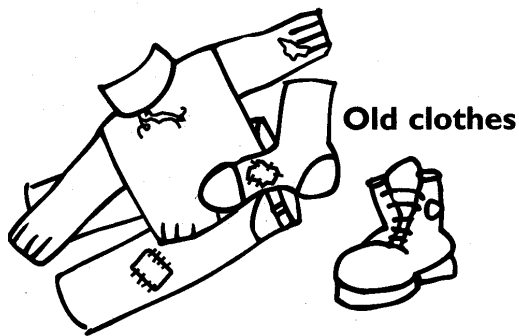


Plastic bags



Milk cartons

Food scraps



Old clothes

Soft-drink cans



Aluminium foil

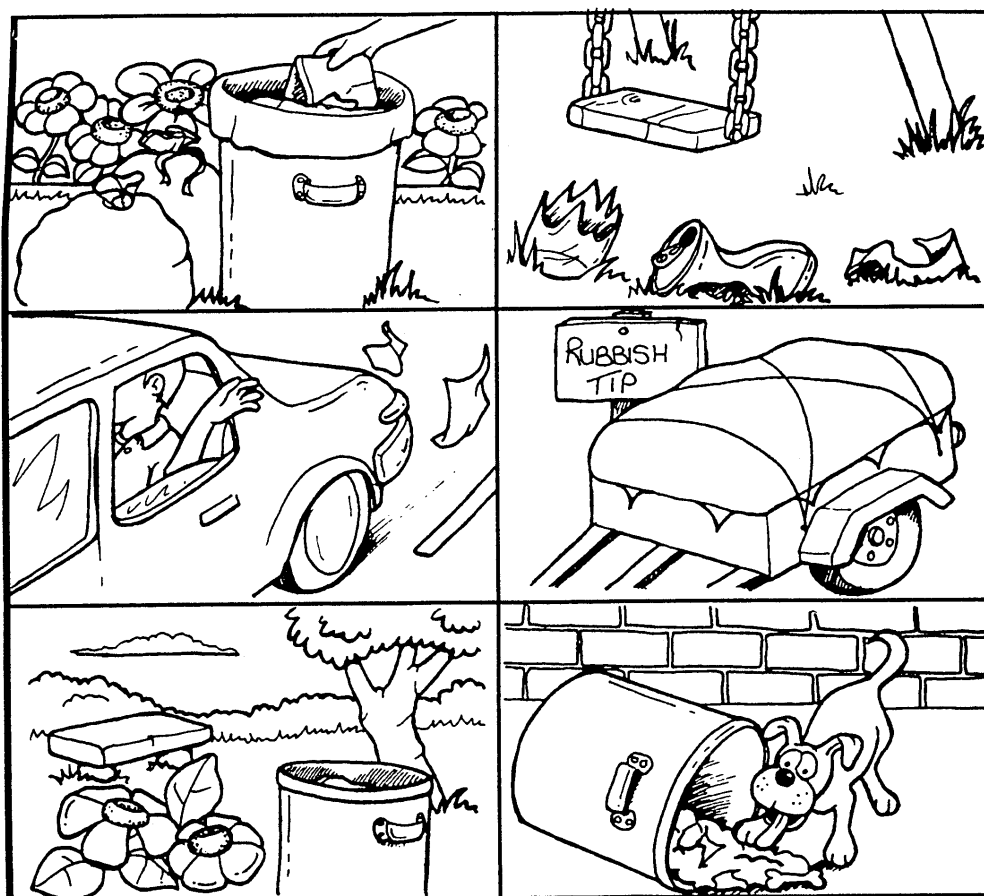


Newspapers

# Rubbish disposal

Copy the picture from below that shows:

1. The lid was not put on the rubbish bin.
2. Some one threw rubbish out of a car window.
3. The rubbish is going to the rubbish tip.
4. Someone left glass bottles and cans in the playground.
5. When we are outdoors, the rubbish bin is where we put our rubbish.



Now put a tick or cross under your picture: a tick if this is a good thing to do; a cross if it is a bad thing to do.