

## Pollution and Recycling 1

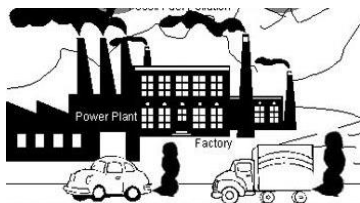
### What is pollution?

Pollution happens when people leave rubbish or harmful chemicals in the air, soil or water.

Chemicals are the things that everything around us is made from. There can be good or bad chemicals. Bad chemicals are harmful to people, animals, plants and the earth. Bad chemicals are called toxic chemicals. Toxic chemicals can come into our world when factories are not careful about the waste products coming from the things they make.

Chemicals can be solid, liquid or gas. Chemicals in the air cause air pollution. We often see this in big cities. Car fumes also cause chemicals in the air. Chemicals in the air make it hard for people to breathe.

1. *What kind of rubbish do people leave around?*
2. *Draw a busy city and in your drawing, show how air pollution can be caused.*



## Pollution and recycling 2

### Garbage

Garbage is rubbish that people leave around. Garbage in the ocean kills fish, sea animals and sea plants.

Fish can get tangled up in plastic bags. Dolphins can get plastic rings caught around their necks.

Garbage makes the beach look like a garbage dump. People don't like to swim there because it smells.

1. *What kind of garbage do people sometimes leave on the beach?*
2. *Draw some sea creatures tangled up in garbage.*
3. *Why should we keep our schools and our community free of garbage?*
4. *How can we stop people leaving rubbish around?*



### **Pollution and Recycling 3**

#### **What happens to garbage?**

This is what can happen to the garbage that we put in the bin:

In cities, the garbage gets collected by a garbage collector and taken to a big dump.

Away from the cities, where there is no garbage collector, people can burn some of their rubbish.

They can only burn paper and cardboard. They must not burn plastic because it makes toxic chemicals when it is burnt.

They can throw plant waste, like vegetable scraps, into a hole and bury it. The plant waste will rot. This is called compost. The plants turn back to soil.

Plastic, glass and metal will not rot. They must go to a big dump.

1. *What happens to your garbage at home?*
2. *How can you get rid of plant waste?*
3. *Why should you not burn plastic?*
4. *Why could it be a problem if the world uses lots of plastic, glass and metal?*



### **Pollution and Recycling 4**

#### **What is recycling?**

Recycling is using things for more than one purpose. Recycling is turning used things into something that can be used again.

You can recycle plastic, glass, paper and metal. It is good to do this because plastic, glass and metal don't rot like plants do.

Plastic, metal and glass can be melted in a factory and made into other things. In some cities, there are special bins for rubbish that can be recycled.

We can recycle plastic bags at home by using them for other things.

If we recycle things made from plastic, glass, paper and metal, then there will be less garbage in the rubbish dump.

1. *What could you use a plastic bag for?*
2. *What would happen people kept putting plastic, metal and glass in the rubbish dump and never recycled any of it?*



## Pollution and Recycling 5 Doing the right thing



1. The two people in the top pictures are doing the right thing. What are they doing?
2. The person in the bottom picture is not doing the right thing. Why not?

## Pollution and Recycling 6 Water pollution

Water can become polluted from factories that allow their waste to flow into rivers and the sea.

Water can also become polluted from people throwing rubbish around rivers and beaches.

*List all the problems you can think of that polluted water may cause.*



## Pollution and recycling 7

### The rubbish dump

Write about these pictures. What is happening?

Make a list of all the creatures that might live in a rubbish dump.

Why are some of these creatures a problem?

How can we make less rubbish so that rubbish dumps don't become too big?



## Pollution and recycling 8

### Four ways to recycle

Look at the picture below. Think about what the people are doing.

Now draw four pictures and write about how we can recycle:

1. Food scraps and garden waste.
2. Paper
3. Glass, plastic and metal
4. Clothes

