

FACT SHEET 1

1 Who organised the first Earth Day? When and where was Earth Day first organised?

2 How many trees were planted from 1990 until 2012?

3 How many trees does one person destroy for paper every year?

4 How long can you watch TV if you recycle 1 aluminium can?

5 How long can you have your lights on if you recycle 1 glass bottle?

6 How long does it take for a plastic bottle to decompose?

7 How can you reduce the number of plastic bags used? Why are plastic bags bad for the environment?

8 What should you do with your old clothes?

9 How much of the Earth's surface is water?

10 Which precious material can be found in video game consoles?

FACT SHEET 2

1 How much can you save by lowering the heating temperature at home?

2 Which greenhouse gas causes more pollution – methane or carbon dioxide?

3 If you recycle 1 tonne of paper, how many trees can you save?

4 How much garbage does an average American produce every day?

5 Name at least 2 things you can do every day to save energy and money.

6 How much rubbish can you produce if you bring lunch in disposable containers every day?

7 How can you save paper when printing it?

8 How can you lower greenhouse gas emissions from vehicles?

9 How many new electronic devices do people usually buy every year?

10 What do the numbers 1.6 billion people, 2.5 billion people and 1 billion people refer to?



FACT CARD NO.1

The first Earth Day was organised on 20 April 1970 in the USA. Earth Day was started by Gaylord Nelson, who saw the environmental damage caused by a 1969 oil spill in Santa Barbara, California.

FACT CARD NO.2

In 1990 Earth Day became a global event, and 200 million people in 141 countries participated in it. Because the organisation Earth Day Network started a tree-planting initiative, 1 billion trees had been planted across the globe by 2012.

FACT CARD NO.3

The average North American uses more than 300 kg of paper a year. This means that almost 465 trees are cut down per person, just for paper! Remember that recycled paper only creates 25% of the pollution that new paper creates.

FACT CARD NO.4

Recycling 1 aluminium can save enough electricity to power a TV for 3 hours. Every 3 months, people in the United States throw away enough aluminium cans that they could rebuild all the airplanes in the country.

**FACT CARD NO.5**

A glass bottle will take 40,000 years to decompose if it's not recycled. Recycling one glass bottle will save enough energy to power a light bulb for 4 hours.

FACT CARD NO.6

Plastic takes 450 years just to begin decomposing. It takes another 50 to 80 years to be completely decomposed. This means that every piece of plastic that has ever been made has not even started to decompose.

FACT CARD NO.7

Only 1% of plastic shopping bags are recycled. Most old plastic bags enter trees, oceans, and other parts of nature. 13 billion plastic bags are made every year, about 300 per adult. Use cloth bags to help reduce the number of plastic bags made. In one person's lifetime, using a cloth bag will save over 22,000 plastic bags!

FACT CARD NO.8

Many clothing companies now use recycled materials in their clothes. Check their labels to see if you're buying clothes that were once something else. When you stop wearing your old clothes donate those that are still in good shape to a shelter or a charity.



FACT CARD NO.9

The Earth's surface is 70% water, but many people don't have fresh water every day. Today, 40% of drinking water comes from plastic bottles. Remember that if you turn the faucet off when you're brushing your teeth and if you take quicker showers, you will use less water and leave more for others to use.

FACT CARD NO.10

Old things aren't always rubbish. Did you know that the zinc in old mobile phones can be used to build ships? And your old video game consoles are made with gold. They can be recycled into new jewellery and other fine items.

FACT CARD NO.11

Turning your home's thermostat down by 1 degree can save your family 8% in heating costs. Using energy efficient appliances can save so much money that it can pay for the entire appliance!

FACT CARD NO.12

Food leftovers and other organic rubbish create methane, a greenhouse gas 20 times stronger than carbon dioxide.

**FACT CARD NO.13**

By recycling paper and cardboard, the United Kingdom is able to save 11 million tonnes of greenhouse gas emissions every year. That is the same as the exhaust of 3.5 million cars. Not only that, for every tonne of paper recycled, 17 trees are saved.

FACT CARD NO.14

Americans produce on average 2 kg of garbage per person a day. And in 2014 there were almost 219 million Americans. The United States produces so much garbage each year that the garbage trucks used to transport it would stretch halfway to the moon.

FACT CARD NO.15

Turn off the water when you brush your teeth. The more people turn off water faucets when not in use, the more water there is for emergencies. Also, turn off the lights when you leave a room. This way you save energy and your money.

FACT CARD NO.16

A child will create 30 kg of rubbish every year just by using disposable lunch packaging. Bring your lunch or snack to school in a reusable lunch box and a thermos.

**FACT CARD NO.17**

Print on both sides of the paper when using your printer. You will only use half the paper you normally do and save money.

FACT CARD NO.18

Instead of going by car, lower greenhouse gas emissions from vehicles by going on foot, by tram or carpooling to school, your extracurricular activities, and friends' houses.

FACT CARD NO.19

On average, people buy 3 new electronic devices every year. Remember to recycle or sell your old devices instead of throwing them in the rubbish bin.

FACT CARD NO.20

1.6 billion people do not have access to electricity. 2.5 billion people do not have access to proper sanitation. Almost 1 billion people don't have enough to eat. Think before you leave your lights on, and don't waste water or food.

Worksheet	Earth Day Scavenger Hunt
Years	7/8
Topic	Earth Day, ecology, the environment
Key language	the environment, nature, ecology
Aims	Reading, speaking and writing about protecting the environment.
Duration	45 minutes
Procedure	<ol style="list-style-type: none"> 1 Cut out the fact cards and place them around the classroom. 2 Make enough copies of fact sheets 1&2 for each student. 3 Distribute the worksheets to the students and ask them to answer the questions in writing. Students may work in groups of 4. 4 Explain to the students that the answers are in the 20 fact cards which can be found in the classroom. 5 Encourage the students to discuss the questions in groups before writing them down on their worksheets. 6 Set a time limit of 20 minutes. 7 In order to check the answers, ask the students to exchange their answer sheets with another group. Mark each correct answer 1 point. 8 The group with all the correct answers is the winner. <p>Additional You may want to reward the group that finishes their task first with 1 point.</p>
References	Ask your students to measure their carbon footprint at: http://tfl.kopymark.com/
Correlation	Health Education, Citizenship Education, Biology, Ecology
Homework	None.

Answer key

FACT SHEET 1

- 1** Gaylord Nelson. On 20 April 1970 in the USA.
- 2** 1 billion trees.
- 3** 465 trees.
- 4** 3 hours.
- 5** 4 hours.
- 6** 50-80 years.
- 7** Using cloth bags can reduce the number of plastic bags used. Plastic bags are bad for the environment because only 1% is recycled.
- 8** You should recycle them, or donate them to a shelter or a charity.
- 9** 70%.
- 10** Gold.

FACT SHEET 2

- 1** 8%.
- 2** Methane.
- 3** 17 trees.
- 4** 2 kg.
- 5** Turn off the water when brushing your teeth. Turn off the lights when leaving a room.
- 6** 30 kg.
- 7** By printing it on both sides.
- 8** By going on foot, by tram or by carpooling.
- 9** 3.
- 10** 1.6 billion people do not have access to electricity. 2.5 billion people do not have access to proper sanitation. Almost 1 billion people don't have enough to eat.