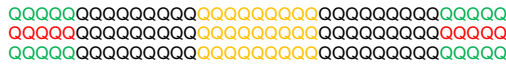


<b>Global warming</b>	الاحتباس الحراري	<b>Temperature</b>	درجة الحرارة	<b>Earth</b>	كوكب الأرض
<b>Atmosphere</b>	طبقات الجو	<b>Climate</b>	المناخ	<b>Drought</b>	الجفاف
<b>Storm</b>	العاصفة	<b>Flood</b>	فيضان	<b>Carbon dioxide</b>	ثنائي أكسيد الكربون
<b>Violent</b>	عنيف	<b>Rain</b>	تمطر	<b>Slow down</b>	يبطئ
<b>Accelerate</b>	يسرع	<b>Warm up</b>	يدفئ	<b>Heat up</b>	يسخن
<b>Freeze</b>	يجمد	<b>Melt</b>	يذيب -	<b>Rise</b>	يرتفع
<b>Pollution</b>	تلوث	<b>Environment</b>	البيئة	<b>Rinse</b>	يشطف
<b>Recycle</b>	يعيد تدوير - يكرر	<b>Junk mail</b>	مهمات أوراق البريد	<b>Nappies</b>	حفاضات للبيبيز
<b>Aluminum</b>	المنيوم	<b>Instruction</b>	تعليمات	<b>Waste</b>	أوساخ
Save	ينقذ	Oceans	المحيطات	Hot	الحر
Cold	البرد	Rainforests	الغابات المطرية	<b>Depend on</b>	يعتمد على
Complex	معقد	Machine	الآلة	<b>Emit</b>	تبعث
<b>Allow</b>	يسمح	Heat	الحرارة	Leave	يغادر
<b>Go up</b>	يرتفع	<b>Reuse</b>	نعيد استخدام	<b>Turn off</b>	يطفىئ
<b>While</b>	بينما	Brush	يفرشي	Conditioning	التكييف
<b>Energy</b>	طاقة	Plant v	يزرع	<b>Turn down</b>	يقلل
<b>Worry</b>	يقلق				
<b>Problem</b>	مشكلة	<b>By prep.</b>	من قبل - بجانب - بواسطة	<b>Instead of</b>	بدلا من
Throw	يرمي				
Adverbs of frequency	ظروف التكرار	Questionnaire	استبيان	Cups	فناجين
How often	كم مرة				
<b>Information</b>	معلومات	<b>Tell</b>	يخبر	<b>Dirty</b>	متوسخة
<b>Should</b>	يجب (للنصيحة)	<b>Shouldn't</b>	لا يجب (للنصيحة)	<b>Separate</b>	يفصل

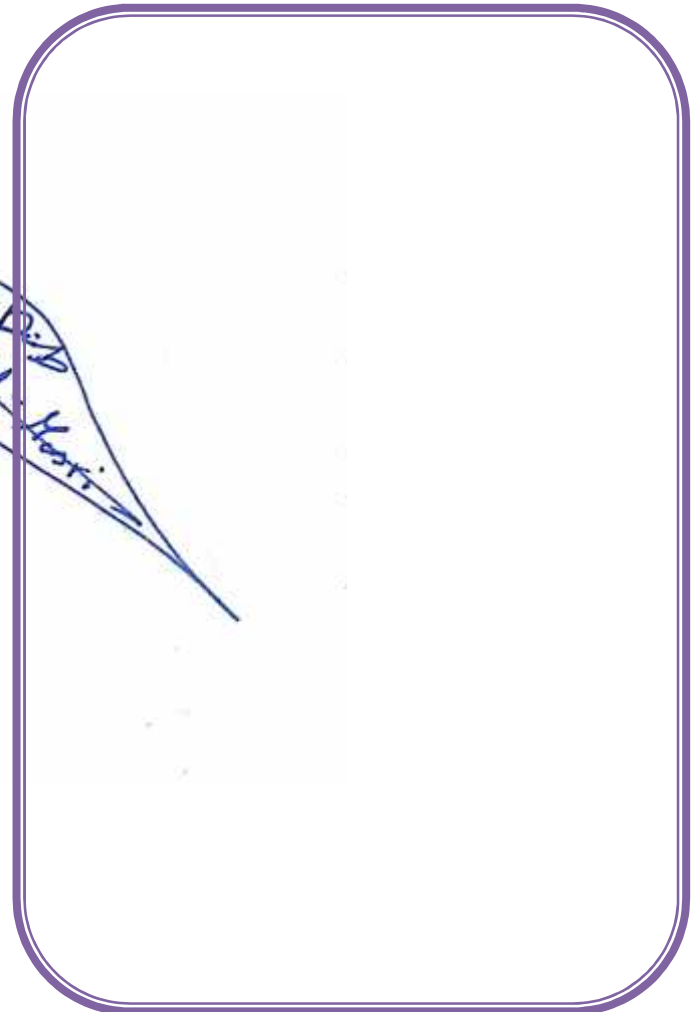
Newspapers	جريدة	Packs	كومات - حزم	Remove	يزيل
Rubber band	يط المطاط	Sort	يصنف - يرتب	Type	نوع
Recyclable	قابل للتكرار	Reusable	قابل لاعادة الاستعمال	Humid	رطب
Expand	يوسع	Expansion	امتداد - توسع	Process	العملية
Ecology	علم البيئة	Centre	مركز	Club	نادي
Member	عضو	Non-profit	غير ربحي	Organisation	منظمة
Defend	يدافع	Take part	يشترك	Project	مشروع
Develop	يطور	Prevent	يمنع	Join	ينضم
Explain	يوضح	Parents	أهل		
Wash	يغسل	Put	يضع	Get	يملك - يحصل
Keep	يحافظ - يبقى	Remove	يزيل	Plant	يزرع
Cover	يغطي	Cut	يقطع	Water	يسقي
amount	كمية	Receive	يستقبل	Huge	ضخم
Smoke	دخان	Cause	يسبب	Treat	يعالج
Cross out	احذف	Add	يضيف	Take out	يخرج - يزيل
Purpose	الغرض - الهدف	Celery	كرفس		

## What can we do to slow down global warming?

The oceans, the atmosphere, the hot and the cold parts of the planet, deserts and rainforests depend on the Earth's climate. But our climate is a complex system that depends on the sun. Man's machines, cars, planes, trains and computers emit carbon dioxide which doesn't allow the heat from the sun to leave. When there is too much carbon dioxide in the **atmosphere**, the Earth's **temperature** goes up. This is called "**global warming**." We must slow down global warming. Here are some simple things we can do: a. Walk or take the bus to school. b. Reuse and **recycle** paper, glass, plastic and aluminium. c. Turn off the water while you brush your teeth. d. Turn off the lights, the heating, the air conditioning, the TV or computers when you don't use them. Don't play video games all the time: they use a lot of energy! e. Plant trees or start a vegetable garden. f. Wear cool clothes in summer and turn down the air conditioning. In winter, wear warm clothes and turn down the heating.



- 1) On what do the parts of the planet depend?
- 2) What does our climate depend on?
- 3) How is man responsible for global warming?
- 4) What is exactly the term "Global warming"?
- 5) Name three ways to slow down the global warming?
- 6) Why shouldn't we use computers or play video games all the time?
- 7) What is the benefit from turning off the conditioning and the electrical machines when we don't use them?
- 8) *What do the oceans and the atmosphere depend on?*
- 9) *What other elements on our planet depend on its climate?*
- 10) In your opinion, what will happen if we don't try to slow down global warming?
- 11) Find words from the text that mean the following:
  - a)
- 12) Find out the following items from the text:
  - a) two nouns b) three verbs c) three adjectives d) two prepositions e) one adverb



Temperature carbon melts warming rise

I'm worried about global (1) \_\_\_\_\_.

The Earth's (2) \_\_\_\_\_ goes up every year. There is too much (3) \_\_\_\_\_ dioxide in the atmosphere.

It's around us! It affects the (4) \_\_\_\_\_. The temperature goes up. The ice in the Poles (5)

\_\_\_\_\_. The sea levels (6) \_\_\_\_\_. Our planet is in danger!

Earth's - Droughts - Global warming – Earth – climate – Droughts – floods - carbon – storms –  
Pollution - slow - warms up - atmosphere - freeze -

1) \_\_\_\_\_ are so frequent because of global warming; the Earth's **temperature** goes up every year; the \_\_\_\_\_ atmosphere warms up.

2) \_\_\_\_\_ means that the Earth's atmosphere warms up.

3) The **temperature** goes up every year.

4) Our planet \_\_\_\_\_ is in danger.

5) Global warming changes our \_\_\_\_\_.

6) \_\_\_\_\_ are dry periods when it doesn't rain.

7) When it **rains** a lot, there are \_\_\_\_\_.

8) There is too much \_\_\_\_\_ **dioxide** in the atmosphere.

9) When the weather is **violent**, \_\_\_\_\_ become very strong.

10) \_\_\_\_\_ **accelerates** global warming. We have to **slow** it **down**.

11) The sun **heats up** the air and \_\_\_\_\_ the Earth.

12) The ice in the Poles **melts** because of global warming.

13) **Global warming** means that the \_\_\_\_\_ warms up.

14) We need carbon dioxide in order not to \_\_\_\_\_.

recycling – turns – instructions – instructions – environment - pollution

1) Nour is a good global warming fighter because she always \_\_\_\_\_ off the lights when she leaves a room.

2) **Rinse** your plastic containers well before \_\_\_\_\_ them.

3) Recycle plastic (following) according to the \_\_\_\_\_.

4) \_\_\_\_\_ is the information that tells you how you should do things.

5) \_\_\_\_\_ is the air, water and land around you.

6) \_\_\_\_\_ is the things that make the air the water and the land dangerously dirty.

**Environment – Pollution – Rinse - junk mail – nappies – aluminium - Recycle**

- 1 The Kids Ecology Club tries to prevent \_\_\_\_\_.
- 2 It helps young people to defend the \_\_\_\_\_.
- 3 \_\_\_\_\_ your plastic containers well before **recycling** them.
- 4 Mixed-colour paper includes \_\_\_\_\_.
- 5 My mother always throws away my baby sister's \_\_\_\_\_.
- 6 We can reuse or recycle \_\_\_\_\_.
- 7 \_\_\_\_\_ plastic according to the **instructions**.

Fill in the blanks with six verbs from the box.

slow freeze heat up accelerate warm make cold melt cool

The sun (1) \_\_\_\_\_ the air. Humid hot air rises and expands. Expansion (2) \_\_\_\_\_ the air and makes clouds and rain. The sun also (3) \_\_\_\_\_ up the Earth. As the Earth heats up, the ice in the Poles (4) \_\_\_\_\_. Pollution (5) \_\_\_\_\_ this process. We have to (6) \_\_\_\_\_ it down.

Earth – carbon dioxide – flood – environment – junk mail – global warming

1. \_\_\_\_\_ a gas in the atmosphere.
2. \_\_\_\_\_ the name of our planet.
3. \_\_\_\_\_ a large amount of water that covers a place.
4. \_\_\_\_\_ the place where people and animals live.
5. \_\_\_\_\_ mail that we receive without asking for it.
6. \_\_\_\_\_ when the atmosphere of our planet warms up.

Atmosphere – flood – pollution – waste - recycle

1. \_\_\_\_\_ is a huge amount of water that covers a land.
2. The gases around the Earth form the \_\_\_\_\_.
3. Cars and smoke cause air \_\_\_\_\_.
4. \_\_\_\_\_ are things that are left after you have used something.
5. **To treat things so they can be used again is to \_\_\_\_\_.**

### discuss the consequences of global warming.

- Higher temperatures
- Season shift (the change affecting a season's beginning and duration)
- Plants and animals dying out
- Droughts

### Identify (define, what is) Global warming. What is its consequences and causes (reasons)?

When there's too much carbon dioxide in the atmosphere, the Earth's temperature goes up. This is called global warming.

**Consequences:** As the atmosphere warms up, the weather becomes more violent.

**Causes:** Man's machines, cars, planes, trains and computers produce carbon dioxide. When there's too much carbon dioxide in the atmosphere, the Earth's temperature goes up.

### discuss what environmental initiative you can start at school.

- sorting out materials
- using energy-saving light bulbs
- turning off the lights when not needed
- using solar-powered panels for heating water
- planting trees and plants around the school

### Make instruction using the words in the box (imperative)

Walk – plant – turn – play – take – start – get – walk – throw – reuse – turn

(1) \_\_\_\_\_ or (2) \_\_\_\_\_ the bus to school.

(3) \_\_\_\_\_ off the water while you brush your teeth.

(4) \_\_\_\_\_ video games all the time.

(5) \_\_\_\_\_ trees or (6) \_\_\_\_\_ a vegetable garden.

**Get** up at 6 o'clock instead of 7 and (2) \_\_\_\_\_ to school! Don't go by car.

Brush your teeth, but (4) \_\_\_\_\_ off the water while you brush them. And (5) \_\_\_\_\_ away paper or plastic!

have

Use these words to ask questions using **How often**. Then answer them.

- you / take the bus to school
- you / plant trees
- your father / reuse envelopes
- you / discuss global warming with your friends
- your family / recycle glass



## 2

## Fighting global warming

## First section

## Vocabulary

## 1 Match the words.

- |            |              |
|------------|--------------|
| a. climate | 1 atmosphere |
| b. carbon  | 2 warming    |
| c. global  | 3 change     |
| d. Earth's | 4 dioxide    |

## 2 Now fill in the blanks with the correct pairs.

- (1) Climate change is not the same as  
 (2) g \_\_\_\_\_. Global warming means the temperature of the  
 (3) E \_\_\_\_\_ goes up every day. We need (4) c \_\_\_\_\_ in the atmosphere in order not to freeze. But now, we have too much carbon dioxide in the atmosphere, and that's making the Earth too warm; it is our fault.

## Grammar

## The Imperative (affirmative)



## 3 Underline the correct form of the verbs.

- a. Walk/Walks to school.  
 b. Plants/Plant trees in your garden.  
 c. Turns/Turn down the air conditioning and wears/wear cool clothes in summer.

- d. Wears/Wear warm clothes in winter.  
 e. Turn off/Turns off your computer when you don't use it.  
 f. Brush/Brushes your teeth with the water tap off.

## The Imperative (negative)

## 4 Underline the correct form of the verbs.

- a. Don't drive/Doesn't drive to work.  
 b. Do not play/Don't plays computer games all the time.  
 c. Doesn't throw away/Do not throw away used supermarket bags.  
 d. Do not leave/Does not leave the lights on when you leave a room.  
 e. Don't take/Do not takes the bus; walk!

## The Present Simple (adverbs of frequency)

## 5 Cross out the adverb in the wrong place.

- a. My mother never drives ~~never~~ to work.  
 b. We always reuse always old paper at home.  
 c. My friends sometimes come sometimes to school by car.  
 d. I never remember never to turn off the lights.  
 e. My father sometimes cycles sometimes to work.  
 f. My friends and I never walk never to school.





**Second section**

**Grammar**

**The Imperative (affirmative)**

1 Complete the instructions for this experiment with the correct form of these verbs. Two words are used more than once.

Write Get Add Look  
take out Place Cut

**Science Experiment:**

The purpose of this experiment is to show how pollution spoils our ground, our water and our food.

- 1 Get a glass of water, red ink and a stalk of celery.
- 2 \_\_\_\_\_ several drops of red ink to the water in the glass.
- 3 \_\_\_\_\_ the celery stalk in the glass.
- 4 \_\_\_\_\_ at the changes in the celery stalk during the school day.
- 5 \_\_\_\_\_ your observations.
- 6 At the end of the school day, \_\_\_\_\_ the stalk \_\_\_\_\_ of the water.
- 7 \_\_\_\_\_ an inch off the bottom of the stalk.
- 8 \_\_\_\_\_ at both ends of the stalk.
- 9 \_\_\_\_\_ what you see.

**The Imperative (negative)**

2 Make sentences about what you **mustn't** do in order to save our planet.

a. to / ask / your / to / Don't / you / school / dad / drive

Don't ask your dad to drive you to school

b. when / Don't / leave / water / you / teeth / your / the / brush / running

c. leave / the / on / time / Don't / the / computer / all

d. old / throw / your / away / toys / Don't

e. need / buy / things / you / Don't / don't





### The Imperative (affirmative and negative)

3 Fill in the recycling instructions with the correct form of these verbs. One word is used more than once.

Not put in place Rinse Find  
Check recycle Not recycle



#### How to recycle glass

- 1 Check your local recycling programmes for the type of glass to recycle.
- 2 \_\_\_\_\_ and \_\_\_\_\_ bottle glass of any colour.
- 3 \_\_\_\_\_ any broken glass.

#### How to recycle aluminium

- 4 \_\_\_\_\_ where to recycle aluminium.
- 5 \_\_\_\_\_ and \_\_\_\_\_ aluminium cans, caps and lids in the same recycle bin.
- 6 \_\_\_\_\_ cans containing dangerous materials.

### The Present Simple (affirmative, negative and interrogative)

4 Use the words in brackets to complete the questions. Then answer the questions.

a. (people / cause) global warming?

Do people cause global warming?

Yes, they do.

b. (you / reuse) paper cups?

\_\_\_\_\_

\_\_\_\_\_

c. (your father / drive) to work every day?

\_\_\_\_\_

\_\_\_\_\_

d. How often (you / cycle) to school?

\_\_\_\_\_

\_\_\_\_\_

e. What (your family / recycle)?

\_\_\_\_\_

\_\_\_\_\_

5 Complete this text with the correct form of the verbs in brackets.

Climate (1) is (be) a sort of "machine". The weather (2) \_\_\_\_\_ (be) a small part of this machine, but it's what you and I (3) \_\_\_\_\_ (notice): a storm, a drought, very hot weather or very cold weather. The sun (4) \_\_\_\_\_ (make) this possible. It (5) \_\_\_\_\_ (warm) the air. Hot air (6) \_\_\_\_\_ (rise), (7) \_\_\_\_\_ (expand) and (8) \_\_\_\_\_ (make) clouds and eventually rain.



# The Present Simple and Adverbs of Frequency



6 Use these words to write sentences. Put the adverb in the correct place.

a. my / floods / never / in / happen / country /

Floods never happen in my country.

b. throws / My / always / mother / away / my / sister's / / baby / nappies

\_\_\_\_\_

c. to / sometimes / We / the / centres / to / glass / . / recycle / go / recycling

\_\_\_\_\_

d. usually / At / we / recycle / . / home, / junk / mail

\_\_\_\_\_

e. aluminium / his / friend / and / often / cans / . / family / My / Ahmad / recycle

\_\_\_\_\_

7 Write questions and answer them. Use the adverbs of frequency *sometimes, never or always.*

a. How often / you / reuse envelopes?

How often do you reuse envelopes?  
I always reuse envelopes.

b. How often / your sister / give away old toys?

\_\_\_\_\_

c. How often / your family / recycle glass?

\_\_\_\_\_

d. How often / your teacher / throw away junk mail?

\_\_\_\_\_

e. How often / you and your classmates / turn off your computers when you leave the room?

\_\_\_\_\_

8 Write five sentences about the things you, your family and your friends do to save the planet. Use one of the adverbs in the box in every sentence.

always   never   usually  
sometimes   often

Example: My sister often turns off the water when she brushes her teeth. I never do.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

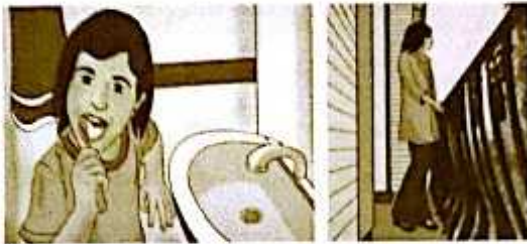
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



9 In your notebook, ask and answer questions about Abla and Saleem using *How often ...?*



	Abla	Saleem
1 turn off the water while brushing teeth	often	always
2 recycle aluminium cans	sometimes	always
3 play computer games	never	sometimes
4 wear cool clothes in summer	always	always
5 turn off the air conditioning in summer	always	sometimes

**Example:** How often does Abla play computer games?  
She never plays computer games.

10 Are Abla and Saleem good weather warriors? Why? What about you? Write three sentences.  
Abla is / isn't a good weather warrior because she ...

Saleem

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Vocabulary Corner**

- 11 Read the clues 1-5 and write the words vertically in the puzzle. You are given the first letter.
- To turn into ice
  - The weather conditions of a place
  - The Earth's temperature keeps going up.
  - The gases surrounding the Earth
  - The degree of heat in the atmosphere

<sup>1</sup> F		<sup>2</sup> C	<sup>3</sup> G	<sup>4</sup> A			
R							
<sup>6</sup> E							<sup>5</sup> T
E							
Z							
E							

12 Read horizontally the word for number 6. Write its clue.  
6 \_\_\_\_\_



**Third section**

**Communication**

1 You are a member of the Kids Ecology Club and you have to decide on a project for this year in the school garden. Read these proposals and then complete the grid with the good and bad points of each one. You may add others.

Name	Good points	Bad points
Making a bird-friendly environment	It is easy to attract birds to a garden.	
Making a butterfly garden		
Making a wildflower garden		

**Kids Ecology Club**

**PROPOSAL:** Making a bird-friendly environment in our school garden



It is easy to attract birds to a garden.  
You can see different birds all year round.  
Birds need water, food and protection.  
Put up a birdbath and keep it full of clean water.  
Hang bird feeders with different seeds around the garden.

**Kids Ecology Club**

**PROPOSAL:** Making a wildflower garden in our school garden



Wildflowers don't need much work and butterflies and birds like them.  
Grow snapdragons and poppies, hollyhocks and forget-me-nots.  
Water every week.

**Kids Ecology Club**

**PROPOSAL:** Making a butterfly garden in our school garden



Butterflies are very pretty and are fascinating to watch.  
Butterflies like flowers but they only lay their eggs on plants their babies eat.  
Grow wild bergamots, sunflowers and honeysuckle, mint and violets for butterflies.  
Grow dill and parsley for their babies, the caterpillars.

2 Write three sentences in your notebook with the good and bad points of each proposal.

Example: The good points of the proposal for making a bird-friendly environment are ... and ... The bad point is ...

3 Use your notes to discuss with a friend which is the best proposal.

4 Write a sentence saying your choice and giving your reasons.

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## Fourth section

### Focus on writing

#### Punctuation: the apostrophe

We use the apostrophe:

- when we write two words as one:

- 1 the subject pronoun and the verb:

I'm a member of the Kids Ecology Club.

He's my brother.

They've got three computers at home.

- 2 the auxiliary + *not*:

Don't throw away envelopes!

I can't use old paper cups!

- to show that something belongs, is related to or is part of a person, a place or a thing:

The Earth's temperature goes up every year.

Saleem's brother drives to work every day.

Our country's capital is a large city.

- 1 Rewrite this paragraph in your notebook. Put the apostrophes where necessary. There are eleven apostrophes.

Our Sun is about 5,000 million years old! It heats the Earth's atmosphere. But global warming isn't the Sun's fault. It's people's fault because they use machines. And machines emit carbon dioxide. You can't see this gas, but it's the main cause of the trouble. And I'm afraid things are getting really bad. Scientists study the Earth's climate. They say our planet's weather is becoming more and more violent.

## Spelling

- 2 Write the correct vowels to complete the words in the dialogue.

Ali: What is the Kids Ecology Club?

Samira: It is a non-profit organisation. It helps young people defend the environment.

Ali: And what do you do?

Samira: We take part in projects about keeping our streets clean, about water conservation, and pollution prevention, about global climate change and energy conservation. Why don't you join us?



- 3 Now, go back to exercise 7 on page 23 of your Student's Book and check your answers.

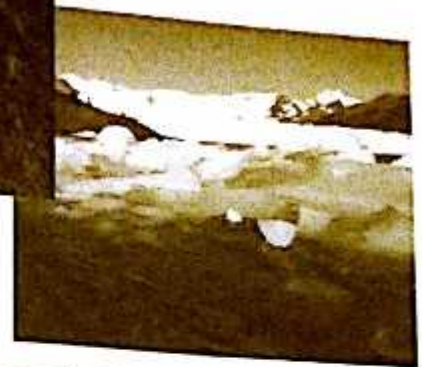


### Linking words

#### when

We use *when* to mark time when we join ideas:

When the temperature goes up, the ice in the Poles melts.



4 Write five sentences in your notebook using *when*.

When	it rains _____	they	always	goes up.
	the Sun warms the Earth's atmosphere	my father	sometimes	forget to turn off the lights.
	I leave a room	it	often _____	drives me to school.
	my mother goes to the supermarket	I	never	don't reuse their paper cups.
	my friends go on a picnic	the temperature	usually	takes our used plastic bags.
		she		

5 Now write five true sentences about yourself in your notebook using *when*.



#### also

*Also* is a synonym of *and*, but we use it in a second sentence next to the verb:

Kids Ecology Club takes part in projects about water conservation and pollution.

It also participates in energy conservation projects.

6 Reorder the following words to write a paragraph about Sami and his family.

- a. use only / Sami / his family / . / and / energy-saving bulbs
- b. the lights / when they / leave / They also / . / turn off / the room
- c. never / on picnics / , / They like / but / to go / use / . / they / paper cups
- d. take / always / real plates / glasses / . / They / and
- e. real knives / also / take / forks / and / . / They

Sami and his family ...

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## What I have learnt

1 Complete the pieces of advice with the correct form of these verbs. (2 marks each)

turn down    Let cool down    Reduce    turn off    Not place

- a. In winter, \_\_\_\_\_ the heating by just 1°C.
- b. In summer, \_\_\_\_\_ your air conditioning every day for four hours when you're not in the house.
- c. \_\_\_\_\_ hot food in the fridge. \_\_\_\_\_ it \_\_\_\_\_ to room temperature before putting it in the fridge.
- d. \_\_\_\_\_ your waste!

**2 Make sentences. (2 marks each)**

- a. is / warming / Earth's / temperature / rise / in / . / Global / the  
 \_\_\_\_\_  
 \_\_\_\_\_
- b. catch / from / gases / atmosphere / energy / the / Some / Sun / . / the / in  
 \_\_\_\_\_  
 \_\_\_\_\_
- c. gases / these / Carbon / is / of / . / dioxide / one  
 \_\_\_\_\_  
 \_\_\_\_\_
- d. the / we / too / warm / carbon / When / have / dioxide / , / Earth / gets / much / .  
 \_\_\_\_\_  
 \_\_\_\_\_
- e. Global / weather / . / changes / our / warming  
 \_\_\_\_\_  
 \_\_\_\_\_

10

**3 Choose the correct answer. (2 marks each)**

1. The temperature of the \_\_\_\_\_ goes up.  
 a) Earth's    b) Earths    c) Earth
2. Our weather gets violent \_\_\_\_\_ unpredictable.  
 a) also    b) and    c) but
3. Global warming \_\_\_\_\_ a problem without solution.  
 a) isnot    b) isnt    c) isn't
4. Global warming is \_\_\_\_\_ fault.  
 a) people's    b) people    c) peoples
5. Carbon dioxide is in the atmosphere. Other gases \_\_\_\_\_ exist in the atmosphere.  
 a) but    b) and    c) also

10