

Lessons 1–2 Extreme weather

1 Read the following sentences and decide what the correct answer is.

1 _____ is a problem facing the world.

a global warming **b** heat wave **c** thunder

2 A _____ is caused by an earthquake under the sea.

a tsunami **b** hurricane **c** thunder

3 Centimetres or millimetres are usually used to measure _____.

a clouds **b** fog **c** rainfall

4 You should stay indoors during a _____.

a fog **b** storm **c** thunder

5 A shortage of water can lead to a _____.

a storm **b** drought **c** heat wave

6 When _____ are grey, we can usually expect rain.

a clouds **b** rainfall **c** thunder



**2** Correct the language mistakes in the sentences below. Follow the example below.

1 Last week I got sunburnt. I wish I ~~have~~ used my sun cream.

Last week I got sunburnt. I wish I had used my sun cream.

2 There was a big sale at the shopping centre last week, but I missed it. If I wish I had gone shopping.

3 I didn't get the grades I wanted at the end of last term. I wish I studied harder.

4 I went to the cinema last night and watch a terrible film. I wish I choose a different film.

5 My brother went to France on a business trip last month, but I wasn't allowed to go because I had too much school work. If wish I had gone with him.

6 I was playing with my football in my house but kicked it hard too and it smashed a window. I wish I had played football in my house.

3 Think about something you regret or would like to change about the past.

Write sentences using *wish / if only* + past perfect.

1

2

3

4

5

Lessons 3–4 Expo 2020

1 The following words are all related to ecology. Complete the definitions with the correct words from the box.

pavilion sustainability natural resources
alternative energy carbon footprint natural sciences

- 1 _____ are subjects such as biology, physics and chemistry which study things from nature.
- 2 _____ is a measure which calculates the amount of carbon dioxide somebody or something produces.
- 3 _____ is energy that comes from water, wind or the sun.
- 4 _____ is an activity that uses resources in a way which doesn't damage environment.
- 5 _____ are things such as minerals or plants that exist in a place and are used by people.
- 6 A _____ is a building or group of buildings where sports, entertainments and fairs take place.

2 Read the sentences and complete the sentences with the correct word from the box.

when where who that

- 1 a large and impressive building _____ will form the centrepiece ...
- 2 an auditorium _____ visitors will have the opportunity ...
- 3 during a time _____ the sun could affect those ...
- 4 A delegate _____ was attending Sustainability Week claimed ...



Use of English

A defining relative clause gives us essential information or a definition of what or who is being talked about: For example: *A laboratory is a place where experiments take place.* We cannot remove the clause (underlined) without taking away the meaning of the sentence: For example: *A laboratory is a place.*

This sentence does not tell you anything about what kind of place a laboratory is. Indeed we could say: 'A classroom is a place' or 'A park is a place'.

3 The following sentences all include examples of defining relative clauses. Put them into the correct order.

1 is designing the pavilion for the Dubai 2020 Expo / has shared more details about it / who / the architect company

The architect company who is designing the pavilion for the Dubai 2020 Expo has shared more details about it.

2 will be included in the centre-space / which / a place / stores liquid for drinking and is called a reservoir

3 based on local wadi riverbeds / where / there will be places / visitors can hide from the sun and move around Expo 2020

4 the place / where / will be right at the centre of the Expo's 2 sq km site / the pavilion is located

5 is someone / has been chosen to attend / a delegate / a conference / who

6 in order to increase business / is a large event / where / companies show and sell their products / a trade fair

4 Read the text on page 165 of your Coursebook and choose three or four words you do not understand. Write a definition for each one using a relative clause.

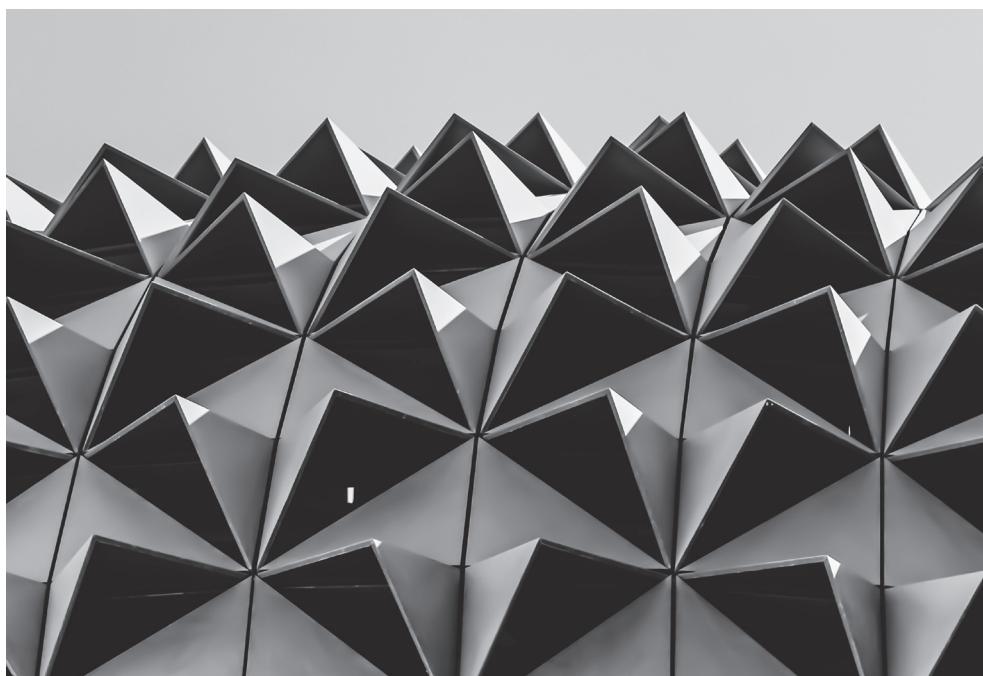


Lessons 5–6 **Green energy and Masdar City**

1 Use the words below to replace the words in bold in the sentences.

consumption (n) conservation (n) renewable (adj)
durable (adj) fuel-efficient (adj) fossil fuels (n)

- 1 **Careful protection of wildlife** ensures many animals do not die out.
- 2 **Coal, oil and natural gas** release heat energy when they are burnt.
- 3 Our new car is very **economical with its use of petrol**.
- 4 The high **use** of energy should concern us all.
- 5 I think the energy saving ideas used in Masdar city will be very **long-lasting**.
- 6 Energy from the sun, wind and water are **naturally replenished**.



2 Decide which words from the interview with Mansour Al Marri the following describe.

- 1** _____ a form of energy created by burning coal
- 2** _____ energy which comes from animals and plant remains from millions of years ago
- 3** _____ a form of energy taken from the sun
- 4** _____ the use of something
- 5** _____ something works without wasting energy
- 6** _____ something which can be produced as quickly as it is used

3 The following sentences are all taken from the interview with Mansour Al Marri; however the words have been mixed up. Rearrange the words to create grammatically correct sentences.

- 1 we will be able to create / cooler and more comfortable villas and apartments / as long as / to capture the wind naturally present around Abu Dhabi, / we can use this technology

- 2 if / restaurants, schools and apartments, / we will create a major, but green, city / we continue to build new businesses,

- 3 we do something / we won't have anything / unless / to protect what we have, / to give our children

- 4 we invest smartly, / provided / to dramatically reduce energy, water and waste / a greenprint for future cities / we will pioneer

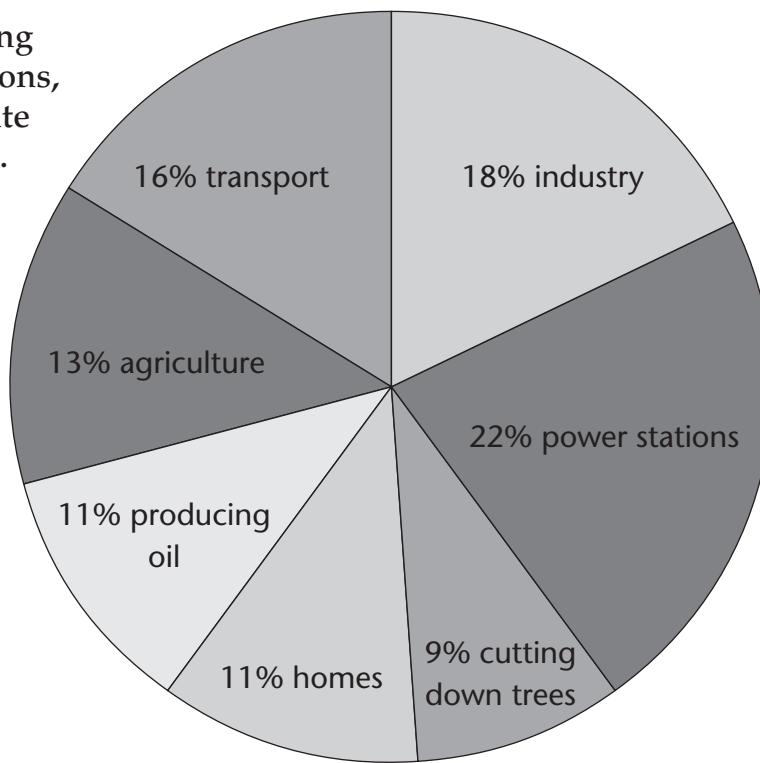
4 Choose one of the statements below.

- Every new city should copy Masdar city.
- We should all try to use renewable energy sources.
- Some people think too much about energy conservation.
- The UAE is becoming a model of clean energy use.
- Governments should invest more money in researching green energy.

Write a paragraph stating whether you agree or disagree with it. Try to give reasons for your answer.

Lessons 7–8 Practise and prepare

1 Look at the chart below showing annual greenhouse gas emissions, which are believed to contribute to global warming, in the UAE. Were your guesses correct?



2 Study the pie chart carefully and complete the paragraph below.

The chart shows annual _____⁽¹⁾ in the UAE. The data suggests that the main cause of global warming is _____⁽²⁾ at 22%. Power stations produce twice the amount of greenhouse gas emissions per year as _____⁽³⁾ and the amount needed to _____⁽⁴⁾. The second biggest polluter is industry at _____⁽⁵⁾, closely followed by _____⁽⁶⁾ at 16%. According to the statistics, agriculture accounts for _____⁽⁷⁾ of all greenhouse gas emissions and the least significant cause of global warming is cutting down forests at just _____⁽⁸⁾.

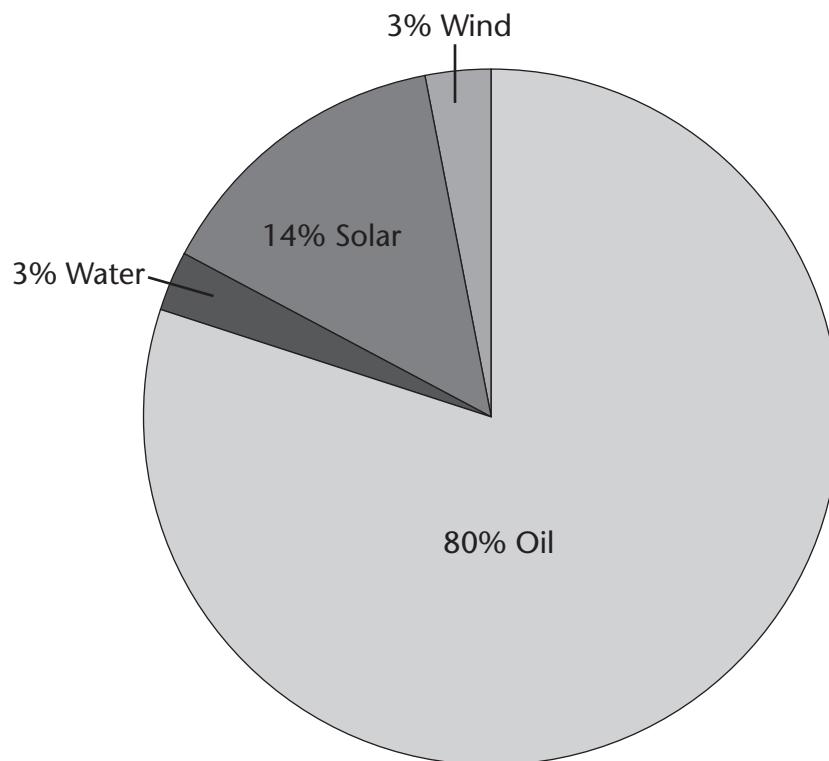
3 Add the missing vowels (a, e, i, o, u) to the words below and then match with a definition.

- 1 p _ l l _ t _ _ n
- 2 f _ s s _ l f _ _ l s
- 3 _ m _ s s _ _ n s
- 4 _ r b _ n _ s _ t _ _ n
- 5 c _ n s _ r v _

- a energy which comes from animal and plant remains from millions of years ago
- b save
- c the amount of gas, heat or light that is sent out
- d damage caused to air or water from harmful substances
- e more and more people leaving the countryside to live in cities

4 Practise saying the words in 1–5 above. Where is the word stress?

5 Look at the pie chart below, which predicts energy use by type in 2027. Using the information in the chart, write a short report for a lecturer at a university. Use the example in Activity 2 to help you.



Language tip

As the chart predicts future trends, remember to use 'will'.

6 Swap your report with a partner's. Check each other's work for grammar and spelling mistakes.



Lessons 9–10 Water is gold

1 Match the following words from the recording with the correct definition.

1 desalination	a a round, open container used for holding liquid
2 water shortages	b a device that controls the flow of water
3 tap	c the process of removing salt from sea water to convert it into drinkable fresh water
4 water conservation	d tubes in which water (or gas) flows from one place to another
5 basin	e saving water
6 tankers	f not having enough water
7 pipes	g ships or vehicles used to carry liquid (or gas)

2 Complete the sentences using one of the words from the box. There is one extra word.

desalination water shortages tap water conservation basin tankers pipes water

- 1 I cleaned the _____ after I had washed in it.
- 2 It's important to save water to avoid _____.
- 3 Remember to turn off the _____ while you are brushing your teeth!
- 4 The water is transported from one country to another in huge _____.
- 5 Our bathroom _____ were leaking so my father had to call a plumber.
- 6 _____ has been used in the UAE for many years and most of the drinking water in the country is now supplied by this process.
- 7 _____ is good for the environment.

3 Rearrange these words to make statements.

1 water / transported / have / the / tankers / wouldn't / been / without / have / the

2 basin / might / cleaned / the / have / she /

3 tap / should / off / brushing / my / when / have / I / was / turned / the / teeth / I

4 Now match each sentence with the correct function.

a past possibility _____

b impossible past situation _____

c past regret _____

5 Rewrite the following sentences using a past modal.

1 I'm not sure if it was Sue.

2 I stayed in the shower for 20 minutes, which wasted a lot of water. Now I feel bad.

3 I didn't have an umbrella with me when it started raining. I got wet.

4 Perhaps people weren't careful enough with water consumption 10 years ago.

6 Use the ideas from Activity 5 in the coursebook. You should write at least 80 words.

Remember to use past modals to express opinion.



Lessons 11–12 Green cars

1 Look at the text about green cars on page 173 of your Coursebook. Find words or phrases that mean the following:

- a** causing little or no damage to the environment (adj.) _____
- b** to produce and release of something, especially gas or radiation (v.) _____
- c** combining two different elements (adj.) _____
- d** use (v.) _____
- e** a thing that motivates or encourages someone to do something (n.) _____
- f** the amount of carbon dioxide released into the atmosphere as a result of human activities (n.)

2 Complete the gaps with the words from Activity 1. Make sure you use the correct form.

- 1** Using public transport can reduce your _____.
- 2** I think my family _____ far too much energy. We really must think of ways to reduce this.
- 3** Have you ever seen a _____ car? Most run on fuel and electric power.
- 4** Using _____ materials is one way in which individuals can help to protect the environment.
- 5** Some people think that keeping our environment clean is the biggest _____ for getting an EV.
- 6** Cars and factories _____ gasses which pollute our cities.

3 Complete the sentences below by writing the correct form of the verb brackets in your notebook.

- 1** If I _____ (have) a million dollars, I _____ (buy) a new car.
- 2** If we _____ (not use) use fuel, it _____ (be) better for the environment.
- 3** If you _____ (be) Prime Minister, what new law _____ you introduce?
- 4** He _____ (save) a lot of money if he _____ (drive) an EV.
- 5** If you _____ (have) an EV, you _____ (receive) a free Salik tag.
- 6** If you _____ (can) buy any car, which _____ you (choose) and why?

4 Use the sentence prompts to write sentences about you.

Example: If I had a million dollars, I would travel the world.

have / a million dollars

1 _____

be Prime Minister

2 _____

have / an EV

3 _____

can / buy any car

4 _____

Compare your ideas with a partner.





Lessons 13–14 **Endangered animals of the UAE**

1 Match these words connected with endangered animals with the correct meaning below.

species extinct habitat preserve

- 1 no longer in existence
- 2 keep alive
- 3 a group of similar living organisms
- 4 the natural home of an animal or plant

2 Practise saying the words with a partner. Underline the stressed syllable. What type of words are they?

species extinct habitat preserve

3 Look at the text on pages 175–176 of the Coursebook. Find words that are synonyms of the words below.

- 1** established
- 2** key aim
- 3** illegal
- 4** initiative
- 5** persuade
- 6** largest



Reading strategy

Questions often use synonyms or near synonyms of words that are used in the text.

4 Replace the underlined words or phrases below with synonyms or near synonyms.

1 The UAE's ultimate goal is to preserve endangered animals.

2 EWS-WWF started an important campaign to save the Hawksbill turtles.

3 Governments should do more to persuade people to protect these animals.

Writing tip

Rephrasing an original text by using synonyms or near synonyms is one way of avoiding plagiarism.

5 Choose one of the statements above and write a paragraph about it.