

1 Warm up

These words relate to the issue of global warming. Match the words and meanings.

- 1. <u>at</u>mosphere
- 2. <u>car</u>bon di<u>o</u>xide
- 3. climate
- 4. fossil fuels
- 5. ice cap
- 6. in<u>crease</u> / rise
- 7. melt
- 8. sea level

- a. a gas that is produced when we burn things (CO2)
- b. a thick layer of ice at the north and south poles
- c. change from a solid to a liquid form
- d. go up or get higher
- e. how high the top of the ocean is where it meets the land
- f. sources of energy that were formed underground millions of years ago, like oil and coal
- g. the gases that surround a planet
- h. the weather conditions that we usually find in a place

Now answer these questions:

- 1. Which of these things can you see in the picture below?
- 2. Why do you think global warming is a serious issue?



2

Listening

Listen to a podcast, "Climate change for beginners", and decide if these sentences are true or false.



- 1. Global warming and climate change are completely different things.
- 2. We need to use fossil fuels so we can eat and drink.
- 3. Cutting down trees makes carbon dioxide levels increase.
- 4. Carbon dioxide levels have no effect on sea levels.
- 5. Temperatures will possibly rise as much as 7 degrees by the year 2100.
- 6. We should stop using fossil fuels and plant more trees.

Listen again and choose the best form to complete the sentences.

- When we cut down trees and burn oil and coal, carbon dioxide levels in the atmosphere rise / will rise.
- 2. And when there are high levels of carbon dioxide in the atmosphere, temperatures **increase / will increase**.
- 3. When temperatures increase, there **are/will be** more storms and extreme weather events.
- 4. And as the earth gets hotter, the ice caps at the poles melt / will melt and sea levels rise / will rise.
- 5. If we continue to cut down forests and burn oil and coal, temperatures **rise / will rise** by 3 to 5 degrees before the end of this century.
- 6. Scientists predict that if the world's temperature increases by more than 1.5 degrees, many people die / will die in extreme weather events and lots of big cities are / will be underwater.
- 7. If we stop burning oil and coal, these problems don't get/won't get worse.
- 8. And if we plant more trees, they **take up / will take up** some of the extra carbon dioxide in the atmosphere.

Which verb forms are you choosing between in this exercise?

3

Language point

Read these sentences and the information and answer the questions.

- 1) When we cut down trees and burn oil and coal, carbon dioxide levels in the atmosphere rise.
- 2) And when there are high levels of carbon dioxide in the atmosphere, temperatures increase.
- 3) When temperatures increase, there are more storms and extreme weather events.
- 4) And as the earth gets hotter, the ice caps at the poles melt and sea levels rise.

Sentences 1-4 are called **zero conditional** sentences, which explain **causes** and **effects**, or **reasons** and **results**. These sentences have two **clauses**. A **clause** is a piece of a sentence which includes a **subject** and a **verb**. Circle the subjects and underline the verbs in both clauses of the sentences.

- 1. Which words introduce the cause/reason?
- 2. Which verb tense is used for the cause/reason?
- 3. Which verb tense is used for the effect/result?
- 4. Are these sentences describing scientific facts or making predictions about the future?

Now do the same with these. Read these sentences and the information and answer the questions.

- 5) If we continue to cut down trees and burn oil and coal, temperatures will rise by 3 to 5 degrees before the end of this century.
- 6) If the world's temperature increases by more than 1.5 degrees, many people will die in extreme weather events and lots of big cities will be underwater.
- 7) If we stop burning oil and coal, these problems won't get worse.
- 8) If we plant more trees, they will take up some of the extra carbon dioxide in the atmosphere.

Sentences 5-8 also have two clauses that explain causes and effects, but these are called **first conditional** sentences. Circle the subjects and underline the verbs.

- 1. Which word introduces the cause/reason?
- 2. Which verb tense is used for the cause/reason?
- 3. Which verb tense is used for the effect/result?
- 4. Are these sentences describing scientific facts or making predictions about the future?

We can change the order of the clauses in conditional sentences.

- When the temperature increases, there are more storms and extreme weather events.
- There are more storms and extreme weather events when the temperature increases.
- If we stop burning oil and coal, these problems won't get worse.
- These problems won't get worse if we stop burning oil and coal.
- 1. When the cause/reason comes first in the sentence, what punctuation separates the cause/reason from the effect/result?
- 2. Is this punctuation the same when we give the effect/reason first?

4

Practice

Complete these sentences with the correct form of a verb from the box. Some verbs have similar meanings, so you can choose when to use them: increase/rise, become/get.

| be | become/get x 3 | burn | continue | go x 2 |
|------|----------------|-----------------|----------|--------|
| melt | plant | rise/increase x | not stop | |

| 1. | When we | ¹ fossil fuels, CO2 levels | 2 . | |
|----|-----------------|---|---------------------------|------------------------|
| 2. | The earth | 3 hotter as CO2 levels in the atn | nosphere | 4 up. |
| 3. | If we | $_{}^{5}$ to burn oil and gas, temperatures $_$ | | 6 to dangerous levels. |
| 4. | When ice caps | ⁷ , sea levels | 8 to dangero | us levels. |
| 5. | If temperatures | 9 by more than 1.5 degree | s, London, Mia | mi and Bangkok |
| | ¹⁰ u | nderwater. | | |
| 6. | As temperatures | 11 , storms | _ ¹² stronger. | |
| 7. | Global warming | 13 worse if we | 14 using 1 | fossil fuels. |
| 8 | If we | 15 lots of trees CO2 levels in the atm | nsnhere | ¹⁶ down |

Which sentences are zero conditionals, and which are first conditionals?

5

Speaking Alone

Before Speak first, complete the sentences in your box with a true orlogical idea.

Student A

My sentences:

- As we burn fossil fuels,
- If I become fluent in English,
- If I stop using my car,
- If sea levels increase,
- When we plant more trees,

Take turns to read your sentences. Listen and write the sentence in the correct place, depending on the grammar.

Tip: read each sentence twice. First read the sentence at normal speed.

| _ |
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Extra practice/homework

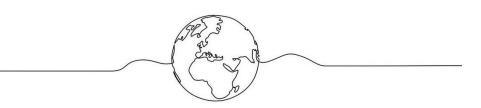
Match these clauses to make conditional sentences.

- 1. When people cut down trees in the forest,
- 2. As CO2 levels in the atmosphere increase,
- 3. Storms get stronger
- 4. If temperatures go up,
- 5. If we have more extreme weather,
- 6. We should remember that when we burn fossil fuels,
- 7. If we find new types of fuels,
- 8. We will need to work together

- a. if we want to stop global warming.
- b. it will be difficult to grow enough food for everyone to eat.
- c. many people will lose their homes.
- d. temperatures rise.
- e. the animals who live there lose their homes.
- f. we put the earth in danger.
- g. we will protect the planet.
- h. when temperatures rise.

Now answer these questions:

- 1. Which sentences are about scientific facts?
- 2. Which sentences are predictions?



7

Optional extension

When you learn new vocabulary, you should learn the meaning, the spelling and the pronunciation. A good way to review new words is to think about how they are pronounced.

For example, you should think about how many syllables a word has, and which syllable is stressed. Stressed syllables are pronounced more strongly.

• Example: cli.mate has two syllables and we stress the first one.

This word has a syllable stress pattern of Oo.

Find words from the lesson to complete the table. You can use words from any part of the lesson, including the instructions.

| syllable stress pattern | example | more words from the lesson |
|-------------------------|------------|----------------------------|
| 0 | rise | 1 |
| o O | extreme | 2 |
| O o | climate | 3 |
| o O o | dioxide | 4 |
| O 00 | atmosphere | 5 |

If you finish the exercices and the home work, please check the answers below!



Transcripts

2. Listening

Presenter: Hi everyone, and welcome to another episode in our mini-podcast series, For Beginners. Today's topic is climate change for beginners. Here to explain is Dr Nathan Wilde from the Climate Challenge Foundation. Hi Nathan! Let's start with a really basic question. What do we mean by climate change?

Dr Wilde: Hi. Well, basically, we're talking about the earth getting warmer as a result of human activity. We can also use the term global warming.

Presenter: What kind of human activity?

Dr Wilde: We're talking about burning fossil fuels like oil and coal. We use these fuels for all sorts of activities, like producing food, making clean water available, heating and cooling our homes, transport and making things in factories.

Presenter: Well, what's the problem? We need to do those things.

Dr Wilde: That's true but when we cut down trees and burn oil and coal, carbon dioxide levels in the atmosphere rise. And when there are high levels of carbon dioxide in the atmosphere, temperatures increase.

Presenter: Why is that so bad? Nobody likes cold weather, right?

Dr Wilde: The increase in temperatures has some very serious results. When temperatures increase, there are more storms and extreme weather events. And as the earth gets hotter, the ice caps at the poles melt and sea levels rise.

Presenter: That doesn't sound good.

Dr Wilde: It really isn't. If we continue to cut down forests and burn oil and coal, temperatures will rise by 3 to 5 degrees before the end of this century. Scientists predict that if the world's temperature increases by more than 1.5 degrees, many people will die in extreme weather events and lots of big cities will be underwater.

Presenter: So, what's the solution?

Dr Wilde: It's simple. We have to stop using fossil fuels. If we stop burning oil and coal, these problems won't get worse. And if we plant more trees, they will take up some of the extra carbon dioxide in the atmosphere.

Presenter: OK, but lots of people will want to know what we can use to produce energy instead of fossil fuels. That's what we're going to discuss in our next podcast. Thanks, Nathan!

Key

1.

1. g 2. a

3. h

4. f

5. b

6. d

7. c

8. e

Listening 2.

- 1. F we can use both terms
- 2. T fossil fuels are used for producing food and making clean water available.
- 3. T this is one thing that has this effect
- 4. F high carbon dioxide levels lead to higher temperatures, and these lead to ice caps melting and a rise in sea level.
- 5. F a rise of 3-5 degrees is mentioned.
- 6. T these are the solutions to the problems.

Complete the sentences:

1. rise

2. increase

3. are

4. melt; rise

5. will rise

6. will die; will be

7. won't get

8. will take up

Which verb forms are you choosing between in this exercise?

Present simple and future with will

Language point 3.

Zero conditional sentences:

Subjects: 1 we / carbon dioxide levels; 2 there / temperatures; 3 temperatures / there; 4 the earth / the ice caps, sea levels. Verbs: 1 cut down / rise; 2 are / increase; 3 increase / are; 4 gets / melt, rise.

1. When / As

2. Present simple

3. Present simple

4. They are describing scientific facts.

First conditional sentences:

Subjects: 5 we / temperatures; 2 the world's temperature / many people, lots of big cities; 3 we / these problems; 4 we / they (trees). Verbs: continue / will rise; 2 increases / will die, will be; 3 stop / won't get; 4 plant / will take up.

1. If

2. Present simple

3. Future with will

4. They are making predictions about the future.

Clauses:

1. A comma

2. No, the comma is not needed.

Practice

1. burn

2. rise/increase

3. becomes/gets

4. go

5. continue

6. will rise/increase 10. will be

7. melt

8. rise/increase

9. rise/increase

11. rise/increase

12. become/get

13. will become / will get 14. don't stop

15. plant

16. will go

Which sentences are zero conditionals, and which are first conditionals?

Zero: 1,2,4,6. First: 3,5,7,8.

5. Speaking

It is a personal answers

6. Extra practice/homework

1. e 2. d

3.

4. b

5. c

6. f

7. g

8. a

1, 2, 3 and 6

4, 5, 7, and 8

7. Optional extension

- 1. melt, trees, first
- 2. increase, effects, review
- 3. fossil, level, global, zero
- 4. prediction, Miami
- 5. dangerous, temperature