

Vocabulary

Science and research



1 Choose the correct alternatives.

There has been lot of ¹*research/risk* to find out what ²*explores/causes* cancer and why some cancer ³*genes/cells* grow more quickly than others. Governments have ⁴*predicted/invested* billions in trying to find a ⁵*cure/change* for the disease. Scientists have also ⁶*explored/affected* ways to find out who is most at ⁷*rate/risk* of getting cancer by identifying specific ⁸*genes/cures*.

2 Choose the correct option a, b or c.

- All of the world has been affected ____ climate change.
a on b to c by
- We're worried that there's a real risk ____ fire.
a to b on c of
- Soon we will run out ____ oil and gas.
a of b on c in
- We need to invest more money ____ research.
a to b in c about
- We're exploring different sources ____ energy that we can use.
a to b for c of
- We're developing a cure ____ Alzheimer's.
a for b on c in

3 Complete the sentences with the words and phrases in the box.

earthquake fallen steadily global birth rate
identifying genes increased dramatically predict
solar power

- Scientists have done a lot of research into identifying genes that cause cancer.
- fallen steadily is good for the planet because it uses energy from the sun, which will never run out.
- The global birth rate tells us how many babies are born each year.
- An earthquake happens when rock under the Earth moves suddenly.
- The price of oil has gone up very quickly. It has increased dramatically since January.
- There has been a regular decrease in the price of gas. It has fallen steadily since January.
- Scientists can't predict when we will be affected by drought.

Grammar

Present perfect simple and continuous

4 Choose the correct option, a or b.

- Tom started studying two hours ago. He's still studying and he's on chapter four of his textbook.
a Tom *has studied*/*has been studying* for two hours.
b Tom *has read*/*has been reading* three chapters of his text book.
- After finishing university, Rachel and Hassan started doing research into the causes of global warming. They are still doing their research.
a Rachel and Hassan *have done*/*have been doing* research together since they left university.
b Rachel and Hassan *have won*/*have been winning* several prizes for their research.
- Lisa is a scientist who started researching earthquakes 18 years ago. She correctly predicted earthquakes which happened in 2004, 2011 and 2017.
a Lisa *has predicted*/*has been predicting* three earthquakes.
b Lisa *has researched*/*has been researching* earthquakes for 18 years.
- Marta works for a company that invests in solar power. She is travelling around the world at the moment. She began her trip eight months ago.
a Marta *has travelled*/*has been travelling* for eight months.
b Marta *has visited*/*has been visiting* 12 solar power stations so far.

5 Complete the sentences. Use the present perfect simple or continuous form of the verbs in brackets.

- I have read (read) that book you gave me. I finished it this morning.
- I have been reading (read) this book for four weeks and I've still got another 100 pages to read!
- There have been (be) three earthquakes on this island in the last year.
- Scientists have been looking (look) for a cure for cancer for many years.
- Scientists have agreed (agree) that there's a link between some genes and cancer.
- We have known (know) for ages that pollution is linked to climate change.
- How long have you been playing (he / play) that video game?
- How many books have you written (the author / write)?
- I have been working (work) on my essay all day and I'm only halfway through it.
- How much have scientists discovered (scientists / discover) about this gene.