

Vocabulary

Science and research



1 Choose the correct alternatives.

There has been a lot of ¹research/risk to find out what ²explores/causes cancer and why some cancer ³genes/cells grow more quickly than others. Governments have ⁴predicted/invested billions in trying to find a ⁵cure/change for the disease. Scientists have also ⁶explored/affected ways to find out who is most at ⁷rate/risk of getting cancer by identifying specific ⁸genes/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.
- predict solar power 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 've read (read) that book you gave me. I finished it this morning.
- I _____ (read) this book for four weeks and I've still got another 100 pages to read!
- There _____ (be) three earthquakes on this island in the last year.
- Scientists _____ (look) for a cure for cancer for many years.
- Scientists _____ (agree) that there's a link between some genes and cancer.
- We _____ (know) for ages that pollution is linked to climate change.
- How long _____ (he / play) that video game?
- How many books _____ (the author / write)?
- I _____ (work) on my essay all day and I'm only halfway through it.
- How much _____ (scientists / discover) about this gene.