3B

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.

1 All of the world has been affected ___ climate change.
a on b to c by
2 We're worried that there's a real risk ___ fire.
a to b on c of
3 Soon we will run out ___ oil and gas.
a of b on c in
4 We need to invest more money ___ research.
a to b in c about
5 We're exploring different sources ___ energy that we can use.
a to b for c of
6 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

1 Scientists have done a lot of research into *identifying genes* that cause cancer.
2 _____ is good for the planet because it uses energy from the sun, which will never run out.
3 The _____ tells us how many babies are born each year.
4 An _____ happens when rock under the Earth moves suddenly.
5 The price of oil has gone up very quickly. It has _____ since January.
6 There has been a regular decrease in the price of gas. It has _____ since January.
7 Scientists can't _____ when we will be affected by drought.

Grammar

Present perfect simple and continuous

4 Choose the correct option, a or b.

1 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.
2 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.
3 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* earthquakesfor 18 years.
4 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.

1 I *'ve read* (read) that book you gave me. I finished it this morning.
2 I _____ (read) this book for four weeks and I've still got another 100 pages to read!
3 There _____ (be) three earthquakes on this island in the last year.
4 Scientists _____ (look) for a cure for cancer for many years.
5 Scientists _____ (agree) that there's a link between some genes and cancer.
6 We _____ (know) for ages that pollution is linked to climate change.
7 How long _____ (he / play) that video game?
8 How many books _____ (the author / write)?
9 I _____ (work) on my essay all day and I'm only halfway through it.
10 How much _____ (scientists / discover) about this gene.

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