

Topic vocabulary in contrast**A** Choose the correct answer.**Modern science**

It seems entirely (1) to us that there are teams of scientists in universities and other institutions around the world, attempting to (2) the way the world works. However, it hasn't always been that (3) Although the scientific method is now four or five hundred years old, the ancient Greeks, for example, believed that they could work out the (4) of natural events just by the power of thought.

During the 17th century, more and more people began to realise that they could (5) their scientific ideas by designing a relevant (6) and seeing what happened. A lot of (7) was made in this way by individual scientists. These men and women often worked alone, carrying out (8) into many different areas of science, and they often received very little (9) for their hard work. At the start of the 20th century, though, it became (10) that science was becoming more complicated and more expensive. The individual scientist disappeared, to be replaced by highly qualified teams of experts. Modern science was born.

1	A physical	B natural	C typical	D real
2	A create	B invent	C construct	D discover
3	A route	B method	C way	D technique
4	A aims	B reasons	C causes	D impulses
5	A calculate	B estimate	C measure	D test
6	A experiment	B research	C attempt	D analysis
7	A development	B movement	C progress	D evolution
8	A research	B experiment	C discovery	D education
9	A award	B prize	C gift	D reward
10	A clear	B true	C accurate	D actual

B Circle the correct word.

- 1 Many materials have been used for **artificial** / **false** teeth, including wood.
- 2 Be careful! You might give yourself an **electric** / **electronic** shock!
- 3 I'm afraid the problem with your washing machine is the **engine** / **motor**.
- 4 Many employers in the chemicals **industry** / **factory** object to the new law.
- 5 My computing exam is **taking place** / **occurring** next week.
- 6 Technology is a fundamental part of **new** / **modern** life.
- 7 We had our car serviced and it seems there's a problem with the **engine** / **machine**.

Phrasal verbs**C** Complete using the correct form of the words in the box.

plug • **turn** • **carry** • **narrow** • **put** • **work** • **come** • **break**

- 1 A lorry had down on the motorway and we had to wait for over an hour.
- 2 I have it down to two computer games, but I still can't make up my mind.
- 3 I wish you would the TV off and go outside and get some exercise.
- 4 Scientists are trying to out ways to reduce pollution from aircraft.
- 5 Tomorrow, we will be out an experiment to test this theory.
- 6 Who up with the idea of the ball-point pen?
- 7 I'll just you through to our research department. Please hold on.
- 8 No wonder the vacuum cleaner isn't working. You haven't it in!

D Match to make sentences.

1	Alex's electricity was cut	A	off because she forgot to pay the bill.
2	Wear a mask because these chemicals give	B	metals such as lead into gold.
3	I'm writing an essay and I need to find	C	out who discovered penicillin.
4	I was pleased that our gamble came	D	on in physics over the last year.
5	Alchemists spent years trying to turn	E	off fumes that can be harmful.
6	Your teacher says you've really come	F	off and the experiment was a success.

Phrases and collocations**E** Choose the correct answer.

- 1 I don't think people should be allowed to perform experiments animals.
A for B over C on D to
- 2 There was an explosion in technology the beginning of the 20th century.
A in B at C through D on
- 3 Let's face – we are destroying the environment and we need to do something now.
A truth B facts C things D information
- 4 The distance from the Earth to the Sun is, average, about 149 million kilometres.
A by B on C from D in
- 5 It's amazing that creatures survive the bottom of the ocean.
A in B by C at D to
- 6 Fox Talbot the first photograph in 1835.
A gave B did C drew D took
- 7 Researchers have to the conclusion that your personality is affected by your genes.
A come B got C reached D arrived
- 8 Do you mind if I just a quick phone call from here?
A do B take C have D make
- 9 Many lives were saved the introduction of antibiotics.
A into B at C with D in
- 10 The of the nuclear accident is still unknown.
A reason B cause C base D motive
- 11 My father works at the university, doing research weather control.
A on B to C of D from
- 12 The telescope will photograph distant galaxies, an attempt to understand their past.
A on B for C with D in

Word patterns**F** Find the extra word in each line.**The future**

- 1 We were discussing about the future in class today. Some people were
- 2 wondering it whether we would have to live in space when we destroy
- 3 our own planet. I explained them that the answer lies in technology because
- 4 scientists are intend to develop forms of energy that will not damage the
- 5 environment. The problems caused as being a result of technology will be
- 6 solved by technology. I am look forward to our next discussion.