Unit 18 Vocabulary

Inventions and discoveries

Topic vocabulary

see page 190 for definitions

artificial (adj)	experiment (v, n)	operate (v)
automatic (adj)	gadget (n)	plastic (n, adj)
complicated (adj)	hardware (n)	program (v, n)
decrease (v, n)	invent (v)	research (n)
digital (adj)	involve (v)	run (v)
discover (v)	laboratory (n)	screen (n)
effect (n)	lack (v, n)	software (n)
equipment (n)	laptop (n)	sudden (adj)
estimate (v)	maximum (adj)	technology (n)
exact (adj)	minimum (adj)	unique (adj)

Phrasal verbs

break down	stop working (for a machine, etc)
come across	find sth by chance
find out	discover information, etc
make up	invent an explanation, excuse, etc
pull off	break by pulling
throw away	put sth in a rubbish bin
turn off	stop a machine working
turn on	start a machine working

Prepositional phrases

at last
by chance
in my opinion
in the end
in the future
out of order

Word formation

boil	boiler, boiling	**history**	historic, historian
chemist	chemical, chemistry	**identical**	identically
conclude	conclusion	**long**	length
examine	exam(ination), examiner	**measure**	measurement
fascinate	fascination, fascinating	**science**	scientist

Word patterns

adjectives	different from/to		result in
	full of	*nouns*	a difference between
verbs	begin sth with		an idea about
	connect sth to/with		a number of
	disconnect sth from		a reason for
	fill sth with		a type of

LIVEWORKSHEETS

Topic vocabulary

A Match the pictures with the words in the box.

equipment • experiment • gadgets • hardware • laboratory • laptop • screen • software



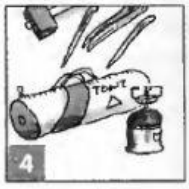
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B Complete using the words in the box.

artificial • automatic • complicated • digital • exact • maximum
minimum • plastic • sudden • unique

1 It's not a/an ..... watch. It's got hands.
2 If you play this stereo on ..... volume, you'll go deaf!
3 It's not a/an ..... experiment. In fact, it's really simple.
4 Are leather chairs more comfortable than ..... ones?
5 There aren't any windows in the lab, so all the light is ..... .
6 Was it a/an ..... decision, or had you thought about it for a long time?
7 The lights are ..... – they come on when you enter the room, and go off when you leave.
8 Each person's fingerprints are ..... . No two people have the same fingerprints.
9 The ..... number of patients necessary to test the new drug is 50. Any less than that and the scientists won't know if it works properly or not.
10 I can't remember the ..... year it was discovered, but it was around 1976.

C Circle the correct word.

1 Do you know who **invented / discovered** the planet Mars?
2 The number of people dying of malaria has **run / decreased** enormously over the last 100 years.
3 You need at least three people to **operate / estimate** this machine safely.

LIVEWORKSHEETS

4 Modern **technology / equipment** makes all our lives easier.
5 We've done a lot of **research / experiment** into why people are scared of spiders.
6 I'm using a computer **research / program** that translates from English into Greek.
7 This drug seems to have no **effect / lack** on humans at all.
8 The experiment just **involves / operates** answering a few questions.
9 Could you **program / estimate** how many times a week you eat cheese?
10 Do you think anyone will ever **invent / discover** a time machine?
11 Professor Reinhart **decreases / runs** the computer lab with her three assistants.
12 There's **a lack / an effect** of phones in this office. We need some more!

Phrasal verbs

D Choose the correct answer.

1 I ..... across this book about the moon in the library. It's really interesting!
A went C came
B found D looked

2 Jenny pulled ..... the handle so we can't open the cupboard now.
A off C in
B away D over

3 I'd like to find ..... more about being a computer programmer.
A across C off
B up D out

4 Our car has broken ..... again.
A off C out
B down D in

5 Dean was late for physics so he ..... up a story about being attacked by a cat!
A took C created
B wrote D made

6 ..... the TV off. This show is boring.
A Put C Turn
B Set D Make

7 I'm going to throw these old shoes ..... . I never wear them anymore.
A off C down
B away D back

8 I turned ..... the tap but no water came out.
A over C round
B up D on

Prepositional phrases

E Complete using the words in the box.

chance • end • future • last • opinion • order

1 These toilets have been out of ..... for a week now. When are they going to fix them?
2 In my ..... , humans will never live on other planets.
3 Alexander Fleming discovered penicillin by ..... . He didn't expect to find it at all.
4 I wonder what new technology will be invented in the ..... .
5 Helen couldn't get the experiment to work for ages, but in the ..... it was fine.
6 It's so nice to have my own computer at ..... .

LIVEWORKSHEETS

Word formation

F Use the word given in capitals at the end of each line to form a word that fits in the gap in the same line.

Mr Thomas

Mr Thomas was a teacher at our school. He'd trained as a (1) ..... and usually taught history. He definitely wasn't a (2) ....., but for some strange reason he taught us (3) ..... for a term. His lessons were always (4) ....., but that was mainly because his experiments always went wrong! If he was supposed to use (5) ..... water for an experiment, Mr Thomas would use cold water by mistake. Once, he was measuring the (6) ..... of some pieces of sodium. I can't remember exactly why he needed this (7) ....., but I think he wanted all the pieces to react (8) ..... . As he picked up the ruler, his arm knocked over a jug of water and the sodium caught fire. He almost burnt the lab down and they had to call the fire brigade. I think after that Mr Thomas came to the (9) ..... that he should stick to history! I learnt a lot from him, though. Whenever there was a question in a science (10) ..... about what happens when sodium reacts with water, I always got the answer right!	HISTORY SCIENCE CHEMIST FASCINATE BOIL LONG MEASURE IDENTICAL CONCLUDE EXAMINE

Word patterns

G Match to make sentences.

1 What's the difference	.....	A in us having to call the fire brigade.
2 This box is full	.....	B to that piece of equipment over there.
3 This resulted	.....	C about how to do this experiment.
4 Connect this cable	.....	D between H_2O and H_2SO_4?
5 I've had an idea	.....	E with water?
6 Could you fill this bottle	.....	F of old camping equipment.

H Write one word in each gap.

1 This program is very different ..... the one you're using at the moment.
2 Let's begin the lesson ..... a short test on the names of the different parts of an insect.
3 Disconnect your PC ..... the power supply before you take the case off.
4 There are a number ..... different ways of doing this experiment.
5 How many types ..... building can you think of?
6 What were your reasons ..... choosing to do biology at university?

LIVEWORKSHEETS

Units 16, 17 and 18 Review 6

A Complete each second sentence using the word given, so that it has a similar meaning to the first sentence. Write between two and five words.

1 I found the photo by chance when I was tidying my room. **across**
I ..... the photo when I was tidying my room.

2 Fridges and freezers are not the same thing. **difference**
There ..... fridges and freezers.

3 Scientists should never invent their results. **made**
Results should never ..... scientists.

4 Don't put those plastic bags in the bin – use them again! **away**
Don't ..... – use them again!

5 Our car stopped working on the motorway, so we had to call a mechanic. **down**
We had to call a mechanic when our car ..... on the motorway.

6 A new medicine was developed because of the work Dr Wang did. **resulted**
Dr Wang's ..... a new medicine being developed.

7 There are quite a few things that I'd like to invent! **number**
There are ..... things that I'd like to invent!

8 Make sure you fill the bottle with water before you start the experiment. **full**
Make sure the bottle ..... water before you start the experiment.

(2 marks per answer)

B Write one word in each gap.

9 Turn all the lights ..... when you leave the room. We don't want to waste electricity!

10 ..... my opinion, modern technology has improved all our lives.

11 Could you disconnect your laptop ..... the Internet when you've finished checking your e-mail?

12 We thought the experiment would work, but ..... the end it didn't.

13 ..... last, someone has built a battery-powered skateboard!

14 How many different types ..... building can you think of?

15 That programme is about to start, so I'll turn ..... the TV.

16 Ice floats in water. Can you think of a reason ..... that?

(1 mark per answer)

C Complete by changing the form of the word in capitals.

17 The ..... (**LONG**) of the train is exactly 100 metres.

18 I think astronomy is absolutely ..... (**FASCINATE**)!

19 Lee and Greg are twins, but they don't dress ..... (**IDENTICAL**).

20 I've come to the ..... (**CONCLUDE**) that no one should have a car.

LIVEWORKSHEETS