

UNIT 15

Inventions and Discoveries

VOCABULARY

| | | |
|-------------------|------------------|----------------|
| Artificial (adj) | Experiment (v,n) | Operate (v) |
| automatic (adj) | gadget (n) | plastic (adj) |
| complicated (adj) | Hardware (n) | program (v, n) |
| decrease (v,n) | invent (v) | research (v) |
| digital (adj) | involve (v) | run (v) |
| discover (v) | laboratory (n,v) | screen (n) |
| effect (n) | Lack (v,n) | software (n) |
| equipment (n) | laptop (n) | Sudden (adj) |
| estimate (v) | maximum (n) | technology (n) |
| exact (adj) | Minimum (n) | 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 | stop or 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 | examination, examiner | measure | measurement |
| fascinate | fascination, fascinating | | |

Word pattern

| | | | |
|-----------|---------------------|-------|----------------------|
| Adjective | different from /to | Nouns | result in |
| | full of | | 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 |

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PRACTICE VOCABULARY

A. Match the pictures with the words in the box

equipment

experiment

gadgets

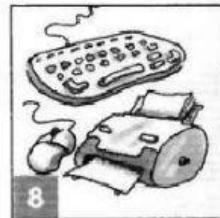
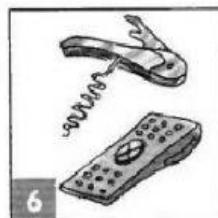
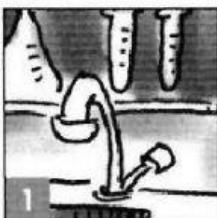
hardware

laboratory

laptop

screen

software



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....., 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, 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.

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9. The number of patients that necessary to test the new drug is 50. any less than that and the scientist 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** of 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.
4. Modern **technology / equipment** make 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. Professional 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 B. found C. came D. looked
2. Jenny pulled the handle so we can't open the cupboard now.
A. off B. away C. in D. over
3. I'd like to find more about being a computer programmer.
A. across B. off C. up D. out
4. Our car has broken again.
A. off B. down C. out D. in
5. Dean was late for physics so he up a story about being attacked by a cat.
A. took B. wrote C. created D. made

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6. the TV off this show is boring .
A. took B. wrote C. created D. made

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

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

WORD FORMATION

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

MR. THOMAS

Mr Thomas what's 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)....., Bet that was mainly because his experiment always went wrong! If you were supposed to use (5)water for an experiment, Mr Thomas would use cold water by mistake. Once, he was measuring the

HISTORY
SCIENCE
CHEMIST
FASCINATE
BOIL

| | |
|---|---|
| (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 | LONG MEASURE |
| (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 the 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. | IDENTICAL CONCLUDE EXAMINE |

WORD PATTERNS

G. Match to make sentences

| | |
|-------------------------------|--|
| 1. What's the difference | A. in us having to call in 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 ₂ O and H ₂ SO 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

| | | | | | |
|------|------|------|----|----|-----|
| from | with | from | of | of | for |
|------|------|------|----|----|-----|

1. This program is very different..... the one you're using at the moment.
2. Let's begin the lesson..... a short 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 numberdifferent ways of doing this experiment.
5. How many types..... building can you think of ?
6. What were your reason..... choosing to do biology at the University .