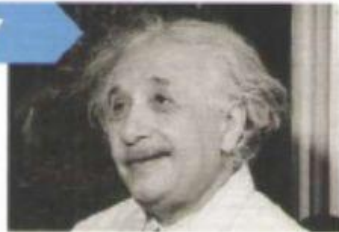


# VOCABULARY

## Science



### 1 Work in pairs. Discuss the questions.

- 1 Look at the picture. Who is it and what is he famous for? What field of science did he work in?
- 2 Which of the areas of science do you think are the most important in the 21<sup>st</sup> century? Why?

astronomy biology chemistry cybernetics ecology  
genetics geology medicine meteorology physics  
sociology zoology

### 2 Choose the correct word from the pair of given words to complete sentences a and b.

#### 1 research/experiment

- a \_\_\_\_\_: a careful study of something to discover new facts or information about it
- b \_\_\_\_\_: a scientific test to study what happens and to gain new knowledge

#### 2 evidence/findings

- a \_\_\_\_\_: facts, signs or objects that make you believe that something is true
- b \_\_\_\_\_: information that you discover as a result of research

#### 3 hypothesis/analysis

- a \_\_\_\_\_: an idea that is based on a few known facts, but that has not yet been proved to be true
- b \_\_\_\_\_: the detailed study of something to understand more about it

#### 4 data/sample

- a \_\_\_\_\_: a number of people or things taken from a larger group and used in tests to provide information about the group
- b \_\_\_\_\_: facts or information we use to find out things or to make decisions

#### 5 theory/practice

- a \_\_\_\_\_: a set of ideas that is intended to explain why something happens or exists
- b \_\_\_\_\_: application of an idea or method through use

#### 6 invention/discovery

- a \_\_\_\_\_: learning about something that was not known before
- b \_\_\_\_\_: creating something that has never been made before

### 3 Choose the correct word to complete each sentence (a-f). What is the order in which scientists do these things? Number the sentences (1-6).

- \_\_\_\_\_ a They *analyse/explore/watch* samples.
- \_\_\_\_\_ b They *bring/express/formulate* a hypothesis.
- \_\_\_\_\_ c They *observe/scan/view* an object or an activity.
- \_\_\_\_\_ d They *address/conduct/make* experiments.
- \_\_\_\_\_ e They *interpret/rewrite/translate* data and findings.
- \_\_\_\_\_ f They *assume/bring/draw* conclusions.

### LANGUAGE NOTE

hypothesis → hypotheses (plural)

analysis → analyses (plural)

phenomenon → phenomena (plural)

findings (usually only in the plural form)

data (used both as uncountable singular and plural)

This data shows ... / These data show ...

### 4 Work in pairs. Complete the questions (1-8) about science with words from the box.

element force measurement planet process  
qualified scientific scientist

## Science quiz

- 1 What do we call a \_\_\_\_\_ who studies physics?
- 2 Which \_\_\_\_\_ is the hottest in our solar system?
- 3 What \_\_\_\_\_ means a person weighing 100 kg on Earth only weighs 38 kg on Mars?
- 4 What \_\_\_\_\_ makes up 70% of the Sun's mass?
- 5 What is the \_\_\_\_\_ called, when water turns to ice?
- 6 What \_\_\_\_\_ do we use to describe the energy that food contains?
- 7 What do we call a person \_\_\_\_\_ to practise medicine, but not surgery?
- 8 What is another word for a(n) \_\_\_\_\_ rule?

### 5 Ask and answer the quiz questions from exercise 4. Go to page 145 to check your answers.