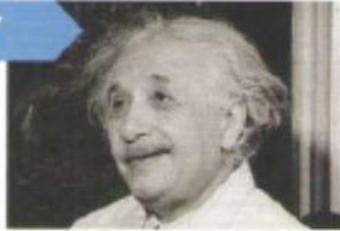


VOCABULARY

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 21st 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.