

Questions 1–4

Do the following statements agree with the information given in Reading Passage 1?

In boxes 1–4 on your answer sheet, write

TRUE *if the statement agrees with the information*
FALSE *if the statement contradicts the information*
NOT GIVEN *if there is no information on this*

- 1 There may be genetic causes for the differences in how young the skin of identical twins looks.
- 2 Twins are at greater risk of developing certain illnesses than non-twins.
- 3 Bouchard advertised in newspapers for twins who had been separated at birth.
- 4 Epigenetic processes are different from both genetic and environmental processes.

Questions 5–9

Look at the following statements (Questions 5–9) and the list of researchers below.

*Match each statement with the correct researcher, **A**, **B** or **C**.*

*Write the correct letter, **A**, **B** or **C**, in boxes 5–9 on your answer sheet.*

NB *You may use any letter more than once.*

List of Researchers

- | | |
|----------|-----------------|
| A | Francis Galton |
| B | Thomas Bouchard |
| C | Danielle Reed |

- 5 invented a term used to distinguish two factors affecting human characteristics
- 6 expressed the view that the study of epigenetics will increase our knowledge
- 7 developed a mathematical method of measuring genetic influences
- 8 pioneered research into genetics using twins
- 9 carried out research into twins who had lived apart

Questions 10–13

Complete the summary using the list of words, **A–F**, below.

Write the correct letter, **A–F**, in boxes 10–13 on your answer sheet.

Epigenetic processes

In epigenetic processes, **10** influence the activity of our genes, for example in creating our internal **11** The study of epigenetic processes is uncovering a way in which our genes can be affected by our **12** One example is that if a pregnant rat suffers stress, the new-born rat may later show problems in its **13**

A nurture

B organs

C code

D chemicals

E environment

F behaviour/behavior