

## Questions 27–31

Choose the correct letter, **A**, **B**, **C** or **D**.

Write the correct letter in boxes 27–31 on your answer sheet.

- 27** When discussing the theory developed by Louis Dollo, the writer says that
- A** it was immediately referred to as Dollo's law.
  - B** it supported the possibility of evolutionary throwbacks.
  - C** it was modified by biologists in the early twentieth century.
  - D** it was based on many years of research.
- 28** The humpback whale caught off Vancouver Island is mentioned because of
- A** the exceptional size of its body.
  - B** the way it exemplifies Dollo's law.
  - C** the amount of local controversy it caused.
  - D** the reason given for its unusual features.
- 29** What is said about 'silent genes'?
- A** Their numbers vary according to species.
  - B** Raff disagreed with the use of the term.
  - C** They could lead to the re-emergence of certain characteristics.
  - D** They can have an unlimited life span.
- 30** The writer mentions the mole salamander because
- A** it exemplifies what happens in the development of most amphibians.
  - B** it suggests that Raff's theory is correct.
  - C** it has lost and regained more than one ability.
  - D** its ancestors have become the subject of extensive research.
- 31** Which of the following does Wagner claim?
- A** Members of the *Bachia* lizard family have lost and regained certain features several times.
  - B** Evidence shows that the evolution of the *Bachia* lizard is due to the environment.
  - C** His research into South American lizards supports Raff's assertions.
  - D** His findings will apply to other species of South American lizards.

Test 4

Questions 32–36

Complete each sentence with the correct ending, **A–G**, below.

Write the correct letter, **A–G**, in boxes 32–36 on your answer sheet.

- 32 For a long time biologists rejected
- 33 Opposing views on evolutionary throwbacks are represented by
- 34 Examples of evolutionary throwbacks have led to
- 35 The shark and killer whale are mentioned to exemplify
- 36 One explanation for the findings of Wagner's research is

- A** the question of how certain long-lost traits could reappear.
- B** the occurrence of a particular feature in different species.
- C** parallels drawn between behaviour and appearance.
- D** the continued existence of certain genetic information.
- E** the doubts felt about evolutionary throwbacks.
- F** the possibility of evolution being reversible.
- G** Dollo's findings and the convictions held by Lombroso.

Questions 37–40

Do the following statements agree with the claims of the writer in Reading Passage 3?

In boxes 37–40 on your answer sheet, write

- YES** if the statement agrees with the claims of the writer
- NO** if the statement contradicts the claims of the writer
- NOT GIVEN** if it is impossible to say what the writer thinks about this

- 37 Wagner was the first person to do research on South American lizards.
- 38 Wagner believes that *Bachia* lizards with toes had toeless ancestors.
- 39 The temporary occurrence of long-lost traits in embryos is rare.
- 40 Evolutionary throwbacks might be caused by developmental problems in the womb.