ALBERTA SCIENCE 20 · UNIT C · 5 QUESTIONS

The Changing Earth — Practice Test

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1 **The lithosphere of Earth can best be described as**

- A a liquid layer of molten rock
- B the rigid outer layer of Earth, broken into plates that move
- C a layer of gases surrounding the planet
- D the metallic core at the centre of Earth

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2 **Which of the following substances is a greenhouse gas?**

- A Water vapour
- B Nitrogen gas
- C Oxygen gas
- D Argon gas

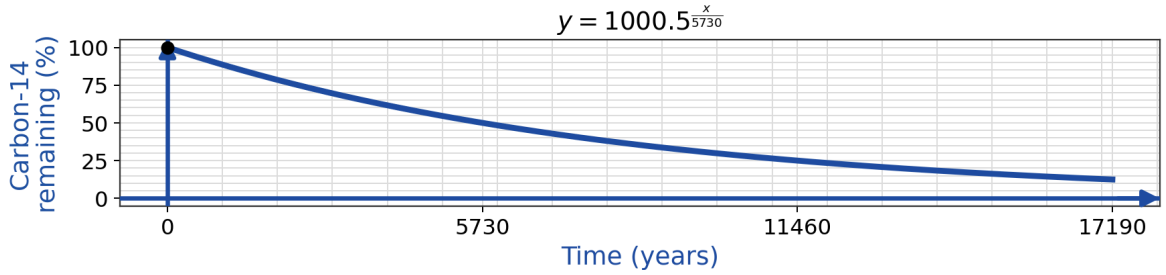
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3 **Fossils are most commonly preserved in**

- **A** igneous rock formed from cooled lava
- **B** metamorphic rock changed by heat and pressure
- **C** molten rock beneath the surface
- **D** sedimentary rock layers

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4 **The graph shows the percentage of carbon-14 remaining in a sample over time. The percentage remaining after 5730 years is**



- **A** 12.5%
- **B** 25%
- **C** 50%
- **D** 100%

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5 **Ice cubes floats in a clear glass of water on a plain light surface, bright daylight, condensation on the glass. Glaciers changed the surface of Canada during the last ice age by**



A depositing fertile volcanic ash over the land

B raising the temperature of the land they covered

C scraping and carving the land as they advanced, and leaving deposits as they melted

D creating new oceans in the interior of the continent

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ANSWER KEY

1. B
2. A
3. D
4. C
5. C

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