ALBERTA SCIENCE 30 · UNIT B · 5 QUESTIONS

Chemistry in the Environment — Practice Test

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1 **Nitrogen oxides that contribute to acid deposition are produced in large quantities by**

A the smelting of metal ores

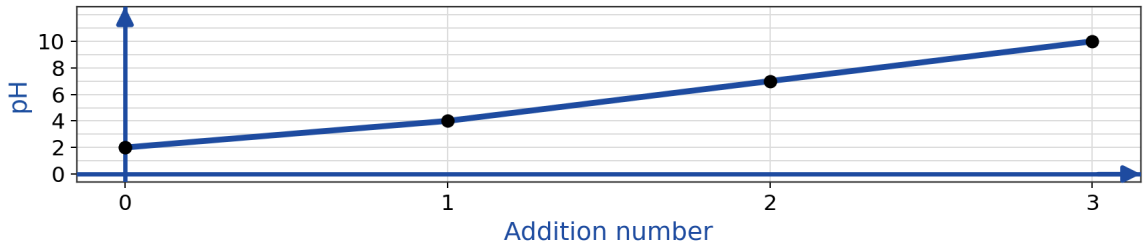
B the evaporation of ocean water

C high-temperature combustion in motor vehicle engines

D volcanic eruptions

Understand It with Pulse | Flag a mistake

2 **The graph below shows the pH of a solution as equal amounts of a base are added, one at a time. After the second addition, the solution is**



- **A** strongly acidic
- **B** weakly acidic
- **C** neutral
- **D** basic

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3 **Which of the following hydrocarbons contains a carbon-carbon triple bond?**

A ethane

B ethene

C propane

D ethyne

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4 **The natural gas used for home heating in Alberta consists mainly of**

A propane

B methane

C butane

D octane

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5 **A solution of hydrochloric acid has a hydrogen ion concentration of $[H^+] = 1.0 \times 10^{-3}$ mol/L. The pH of the solution is _____ Record your answer to the nearest hundredth.**

ANSWER

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ANSWER KEY

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

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