ENGLAND GCSE CHEMISTRY AQA HIGHER · UNIT 5 · 5 QUESTIONS

Energy Changes — Practice Test

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1 **An ice cream cone is put in a freezer. What happens to the liquid?**

- **A** it condenses
- **B** it freezes
- **C** it evaporates
- **D** it boils

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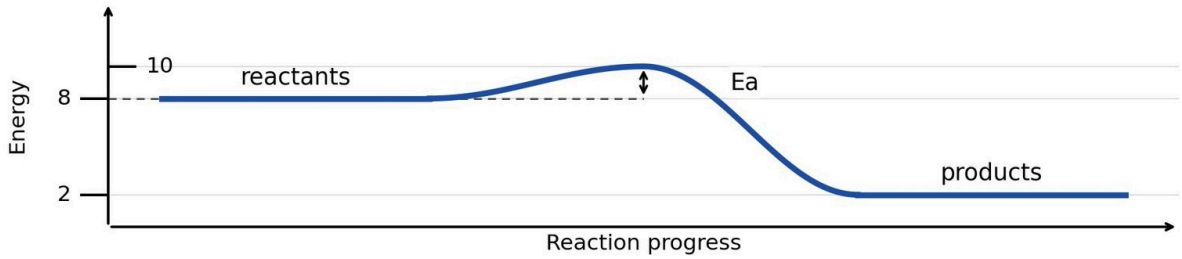
2 **The diagram shows the energy profile for a reaction. The reactants are at energy 8 and the products are at 2. Is the reaction exothermic or endothermic?**



A endothermic, energy is given out

B exothermic, energy is given out

C endothermic, energy is taken in

D exothermic, energy is taken in

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3 **In the combustion of methane, the energy needed to break the bonds is 1200 kJ and the energy released when new bonds form is 1400 kJ. What is the overall energy change?**

- A 1400 kJ
- B -200 kJ
- C -1200 kJ
- D 200 kJ

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4 **A chocolate cake is baked. Is baking a chemical change?**

- A never
- B no
- C sometimes
- D yes

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5 **Which of these is endothermic?**

A photosynthesis

B respiration

C neutralisation

D burning a fuel

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ANSWER KEY

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

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