ENGLAND GCSE CHEMISTRY EDEXCEL FOUNDATION · UNIT 3 · 10 QUESTIONS

Chemical Changes — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button so it can be fixed.

1 **A chocolate cake rises in the oven. What makes it rise?**

- A the egg evaporates
- B the flour melts
- C the sugar freezes
- D a gas is made

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2 **Paintbrushes are cleaned in water. Why does the paint wash off?**

- A the paint dissolves
- B the paint burns in the water
- C the paint freezes in the water
- D the paint melts in the water

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3 **Why must the electrolyte be molten or dissolved for electrolysis?**

- A so the compound becomes a gas
- B so the power supply stays cool
- C so the ions can move
- D so the electrodes can melt as well

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4 **Lemons contain citric acid. What do acids make with metals?**

- A a salt and hydrogen
- B a salt and oxygen gas
- C water only, nothing else
- D a salt and water, never hydrogen

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5 **What forms at the cathode during the electrolysis of molten lead bromide?**

- A bromine
- B chlorine
- C lead
- D hydrogen

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6 **How are insoluble salts made?**

- A by evaporation of the solvent
- B by distillation
- C by precipitation
- D by filtration

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7 **What is the pH of a neutral solution?**

- A 7
- B 14
- C 1
- D 0

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8 **A cup of coffee is left for an hour. What happens to its temperature?**

- A it falls to room temperature
- B it falls to zero degrees
- C it stays the same all day
- D it rises above room temperature

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9 **A castle is built of limestone. What is limestone made of?**

- A calcium sulfate, found in plaster
- B sodium chloride, common salt
- C magnesium oxide, a white powder
- D calcium carbonate

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10 **How many moles are there in 40 g of a substance with a relative formula mass of 40 ?**

- A 0.5
- B 1
- C 3
- D 2

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ANSWER KEY

1. D
2. A
3. C
4. A
5. C
6. C
7. A
8. A
9. D
10. B

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