ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY HIGHER · UNIT 2 · 10 QUESTIONS

Chemical Patterns — 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 **Lemons contain citric acid. What do acids make with metals?**

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

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2 **Hardcover books have mass. What is mass measured in?**

- A joules
- B newtons, the unit of force
- C kilograms
- D watts

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3 **What did Dalton think an atom was?**

- A a small nucleus with shells around it
- B a cloud of electrons with no centre
- C a tiny solid ball
- D a ball of positive charge with electrons in it

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4 **What did Mendeleev predict about the gaps in his table?**

- A the gaps would stay empty for ever
- B new groups would appear in the gaps one day
- C elements would be found to fill them
- D the table would need to be remade

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5 **How many electrons can the first shell hold?**

A 1

B 2

C 8

D 4

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6 **Why can metals be drawn into wires?**

A their layers can slide

B their atoms are far apart

C their bonds break very easily

D their electrons hold them rigid

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7 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 0
- B 10
- C 32
- D 100

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8 **Which group contains the alkali metals?**

- A Group 1
- B Group 2
- C Group 7
- D Group 0

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9 **An atom has 11 protons. How many electrons does the neutral atom have?**

A 11

B 10

C 13

D 12

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10 **A swimming pool is heated. What happens to the water particles?**

A they disappear

B they get smaller

C they stop moving

D they move faster

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ANSWER KEY

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

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