ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 17 · 25 QUESTIONS

Using Resources — 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 **Fishing boats use diesel. What is diesel made from?**

- A wood, cut from trees
- B crude oil
- C water, from the sea
- D coal, mined from the ground

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2 **A sailing ship crosses the sea. What is the sea mostly made of?**

- A fresh water
- B oil
- C sand
- D salt water

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3 **A cheese pizza is cooked in an oven. How is energy transferred in the oven?**

- A by conduction only, through the tray
- B by condensation on the oven walls
- C by evaporation from the cheese
- D by radiation and convection

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4 **A river is polluted by fertiliser. What grows too fast in the water?**

- A trees
- B reeds
- C fish
- D algae

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5 **A forest provides a habitat. What does habitat mean?**

- A when an organism sleeps
- B where an organism lives
- C how an organism breeds
- D what an organism eats

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6 **A chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

- A sugar
- B flour
- C water
- D eggs

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7 **What is a life cycle assessment?**

A an assessment of a product's strength and durability

B an assessment of a product's cost over its life

C an assessment of a product's colour and appearance

D an assessment of a product's environmental impact

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8 **An alloy is 75 percent copper. How much copper is in 200 kg of the alloy?**

A 125 kg

B 150 kg

C 175 kg

D 300 kg

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9 **A town recycles 50 percent of its 500 tonnes of waste. How many tonnes are recycled?**

- A 250 tonnes
- B 270 tonnes
- C 300 tonnes
- D 230 tonnes

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10 **A town uses 2000 litres of water per day. How much water does it use in one week?**

- A 15000 L
- B 13000 L
- C 14000 L
- D 28000 L

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11 **A town sends 200 tonnes of waste to landfill per week. How much waste is that in one year?**

- A 10400 tonnes
- B 10300 tonnes
- C 20800 tonnes
- D 10500 tonnes

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12 **Glass is recycled at 75 percent. How much of 200 tonnes of glass is recycled?**

- A 300 tonnes
- B 150 tonnes
- C 175 tonnes
- D 125 tonnes

Understand It with Pulse | Flag a mistake

13 **How is pure water made from sea water?**

A by sedimentation

B by filtration

C by chlorination

D by distillation

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14 **Why is recycling metals good?**

A it makes metals cheaper to buy

B it makes metals stronger and harder

C it saves energy and resources

D it makes metals heavier to carry

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15 **An alloy is 75 percent copper. How much copper is in 400 kg of the alloy?**

- A 275 kg
- B 600 kg
- C 325 kg
- D 300 kg

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16 **A town recycles 75 percent of its 400 tonnes of waste. How many tonnes are recycled?**

- A 280 tonnes
- B 320 tonnes
- C 300 tonnes
- D 350 tonnes

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17 **A town sends 100 tonnes of waste to landfill per week. How much waste is that in one year?**

- A 5200 tonnes
- B 5100 tonnes
- C 10400 tonnes
- D 5300 tonnes

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18 **Glass is recycled at 75 percent. How much of 400 tonnes of glass is recycled?**

- A 300 tonnes
- B 275 tonnes
- C 600 tonnes
- D 325 tonnes

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19 **What is the reactivity series?**

A a list of metals in order of colour and shine

B a list of metals in order of density and mass

C a list of metals in order of mass and size

D a list of metals in order of reactivity

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20 **An alloy is 50 percent copper. How much copper is in 400 kg of the alloy?**

A 400 kg

B 225 kg

C 200 kg

D 175 kg

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21 **A town recycles 50 percent of its 400 tonnes of waste. How many tonnes are recycled?**

- A 180 tonnes
- B 200 tonnes
- C 220 tonnes
- D 250 tonnes

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22 **A town uses 1000 litres of water per day. How much water does it use in one week?**

- A 14000 L
- B 7000 L
- C 6000 L
- D 8000 L

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23 **What is electrolysis?**

- A using water to split a compound apart
- B using electricity to split a compound
- C using heat to split a compound apart
- D using light to split a compound apart

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24 **An alloy is 50 percent copper. How much copper is in 200 kg of the alloy?**

- A 100 kg
- B 200 kg
- C 75 kg
- D 125 kg

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25

Why is recycling metals useful?

A it stops rust

B it makes metals cheaper to mine

C it makes metals stronger

D it saves energy and resources

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ANSWER KEY

1. B
2. D
3. D
4. D
5. B
6. D
7. D
8. B
9. A
10. C
11. A
12. B
13. D
14. C
15. D
16. C
17. A
18. A
19. D
20. C
21. B
22. B
23. B
24. A
25. D

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