ENGLAND GCSE CHEMISTRY AQA HIGHER · UNIT 10 · 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 **A forest absorbs carbon dioxide. Which process does this?**

- A photosynthesis
- B decomposition in the soil
- C combustion of the wood
- D respiration in the trees

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2 **A river provides drinking water. Why must the water be treated before drinking?**

- A to heat it up for use
- B to add minerals for health
- C to remove harmful substances
- D to make it taste better for drinking

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3 **Fishing boats use diesel. What is diesel made from?**

A crude oil

B wood, cut from trees

C coal, mined from the ground

D water, from the sea

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

A flour

B eggs

C water

D sugar

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5 **A cheese pizza provides energy. Which nutrient provides most energy?**

A protein

B fibre

C vitamins

D fat

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6 **A sailing ship uses the wind. What type of energy is wind?**

A chemical energy

B kinetic energy

C potential energy

D thermal energy

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

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

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8 **Glass is recycled at 50 percent. How much of 200 tonnes of glass is recycled?**

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

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

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

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10 **How is ammonia made for fertilisers?**

- A by burning natural gas
- B by the Haber process
- C by distilling crude oil
- D by filtering river water

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

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

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12 **What is gold mixed with for jewellery?**

- A iron and steel mixed together
- B copper and silver
- C tin and lead mixed together
- D zinc and nickel mixed together

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13 **Why is recycling metals good?**

A it saves energy and resources

B it makes metals cheaper to buy

C it makes metals heavier to carry

D it makes metals stronger and harder

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14 **Why is recycling metals useful?**

A it makes metals cheaper to mine

B it stops rust

C it saves energy and resources

D it makes metals stronger

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15 **Which stage of a life cycle assessment covers digging up raw materials?**

A manufacture

B use

C disposal

D extraction

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

A 600 kg

B 325 kg

C 300 kg

D 275 kg

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17 **What does chlorination do to drinking water?**

A it adds fluoride to it

B it kills bacteria

C it removes solid bits

D it makes it taste better

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18 **What is the first step in treating water?**

A chlorination

B boiling

C filtration

D adding fluoride

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19 **Why does aluminium not corrode like iron?**

A it is coated in zinc

B it has a tough oxide layer

C it is not a metal at all

D it never reacts with air or water at all

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

A 300 tonnes

B 175 tonnes

C 125 tonnes

D 150 tonnes

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

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

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22 **Why do plants need potassium?**

- A for tall stems
- B for strong roots that grow deep down
- C for flowers and fruit
- D for green leaves

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23 **What is the main metal in steel?**

- A iron
- B nickel
- C chromium
- D carbon

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24 **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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25 **What is a finite resource?**

A a resource that is recycled

B a resource that never runs out

C a resource that will run out

D a resource from the sea

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ANSWER KEY

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

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