ENGLAND GCSE CHEMISTRY AQA FOUNDATION · 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 cheese pizza is cooked in an oven. How is energy transferred in the oven?**

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

Understand It with Pulse | Flag a mistake

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

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

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

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

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

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

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5 **A sailing ship floats. What force pushes it up?**

- A upthrust
- B friction
- C air resistance
- D gravity

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

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

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

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8 **What two things are needed for iron to rust?**

- A water and oxygen
- B water and carbon dioxide
- C oxygen and salt only
- D air and sunlight

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

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

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10 **Why do farmers add fertilisers to soil?**

- A to replace lost minerals
- B to warm the soil up
- C to make the soil acidic
- D to kill weeds in the fields

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

A 175 tonnes

B 150 tonnes

C 300 tonnes

D 125 tonnes

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

A 300 kg

B 325 kg

C 275 kg

D 600 kg

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

A use

B manufacture

C disposal

D extraction

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

A 270 tonnes

B 250 tonnes

C 230 tonnes

D 300 tonnes

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15 **Why is stainless steel used for cutlery?**

A it is magnetic and light

B it is very cheap to make

C it is very soft to shape

D it does not rust

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

A by filtration

B by sedimentation

C by chlorination

D by distillation

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17 **What is sedimentation in water treatment?**

A water boiling to make steam

B solids floating to the top

C solids settling to the bottom

D chemicals dissolving in the water

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18 **How are metals extracted?**

A by filtration

B by distillation

C by reduction

D by oxidation

Understand It with Pulse | Flag a mistake

19 **What is rust?**

A pure iron metal with no oxygen

B iron sulfate from acid rain

C iron carbonate from the air

D hydrated iron oxide

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

A 7000 L

B 8000 L

C 6000 L

D 14000 L

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21 **Why do plants need nitrogen?**

A to make proteins for growth

B to make strong roots

C to make seeds for sowing

D to make flowers and fruit grow well

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22 **Glass is recycled at 50 percent. How much of 400 tonnes of glass is recycled?**

A 225 tonnes

B 200 tonnes

C 400 tonnes

D 175 tonnes

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23 **Why might two life cycle assessments of the same product disagree?**

- A they measure different products
- B one of them is always wrong
- C they use different data and choices
- D they take different amounts of time to finish

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24 **A town recycles 50 percent of its 200 tonnes of waste. How many tonnes are recycled?**

- A 80 tonnes
- B 100 tonnes
- C 120 tonnes
- D 150 tonnes

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25 **What is stainless steel made from?**

A iron and zinc only, nothing else

B iron, chromium and nickel

C iron and copper only, nothing else

D iron and carbon only, nothing else

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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