ONTARIO CHEMISTRY, GRADE 11, UNIVERSITY PREPARATION (SCH3U) · UNIT B · 10 QUESTIONS

Chemical Reactions — 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 to let Brett know so he can fix it.

1 **Cellular respiration is an example of a reaction that is**

- A exothermic, because it releases energy
- B endothermic, absorbing light energy from its surroundings as it proceeds
- C a physical change
- D not a chemical reaction

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2 **The word equation for the reaction of zinc with hydrochloric acid gives zinc chloride and**

A oxygen

B hydrogen

C carbon dioxide

D water

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3 **In a single displacement reaction, a more reactive element**

A is always a product, appearing on the right side of every equation without exception

B never reacts

C displaces a less reactive element from its compound

D forms a precipitate only

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4 **Which metal is more reactive than copper and would displace copper from copper sulfate solution?**

- A Silver
- B Gold
- C Platinum
- D Zinc

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5 **A solution with pH 2 is**

- A strongly acidic
- B strongly basic
- C neutral
- D weakly basic

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6 **A solution with pH 12 is**

A strongly acidic

B strongly basic

C neutral

D weakly acidic

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7 **Blue litmus paper turns red in**

A a basic solution

B pure water only

C an acidic solution

D a salt solution only

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8 **A double displacement reaction often produces**

A only gases

B only a single product, with nothing else formed in the reaction at all

C no products

D a precipitate, a gas, or water

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9 **When an acid and a base react completely, the resulting solution is closest to**

A neutral

B strongly acidic

C strongly basic

D always coloured

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10 **Incomplete combustion of a hydrocarbon can produce carbon monoxide and**

A oxygen only, released as a gas with nothing else produced at all

B water and carbon soot

C hydrogen only

D nitrogen

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ANSWER KEY

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

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