ONTARIO SCIENCE, GRADE 10, ACADEMIC (SNC2D) · UNIT B · 10 QUESTIONS

Chemistry: 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 **Which safety equipment should always be worn when heating a chemical in a test tube?**

- A Safety goggles
- B Sandals
- C Loose sleeves
- D No protection is needed

Understand It with Pulse | Flag a mistake

2 **A reaction produces 9 g of product X and 6 g of product Y. The total mass of reactants, in grams, was**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Acid rain can damage buildings made of limestone because the acid**

- **A** makes the limestone stronger
- **B** reacts with the limestone and wears it away
- **C** freezes the limestone
- **D** paints the limestone a new colour

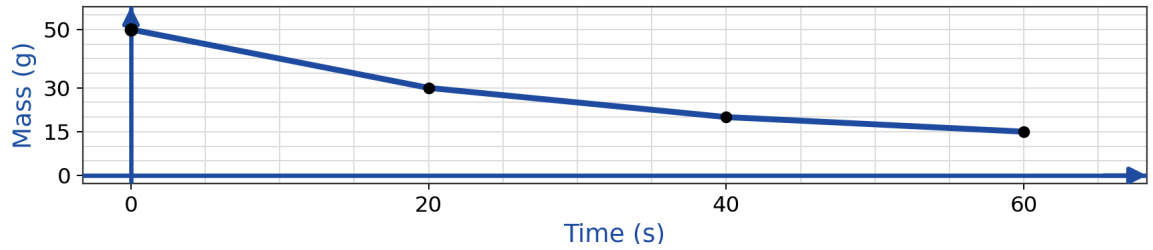
Understand It with Pulse | Flag a mistake

4 **In the balanced equation $2Na + Cl_2 \rightarrow 2NaCl$, the coefficient in front of NaCl is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The graph shows the measured mass of a reactant during a reaction. The mass of reactant after 40 seconds, in grams, is**



ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Which gas is released when an acid reacts with a carbonate?**

- A Oxygen
- B Nitrogen
- C Hydrogen
- D Carbon dioxide

Understand It with Pulse | Flag a mistake

7 **A WHMIS label on a chemical container provides information about**

- A the hazards of the chemical and how to handle it safely
- B the price of the chemical
- C the colour of the chemical only
- D how to make more of the chemical

Understand It with Pulse | Flag a mistake

8 **In the balanced equation $C_3H_8 + 5O_2 \rightarrow 3CO_2 + 4H_2O$, the coefficient in front of CO_2 is**

ANSWER

Understand It with Pulse | Flag a mistake

9 **Mining waste that contains acids and dissolved metals can harm nearby waterways by**

A making the water warmer only

B lowering the pH and poisoning aquatic life

C raising the pH to neutral

D removing all oxygen from the air

Understand It with Pulse | Flag a mistake

10 **Two clear solutions are mixed and a yellow solid settles out. The yellow solid is a product formed by a**

A Melting process

B Dissolving process

C Double displacement reaction

D Synthesis reaction only

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. 15
3. B
4. 2
5. 20
6. D
7. A
8. 3
9. B
10. C

© 2026 Brett Robbins. All Rights Reserved.