NORTHWEST TERRITORIES SCIENCE 10 · UNIT B · 5 QUESTIONS

Chemical Processes — 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 **Hand stirring a tall glass of iced tea with a lemon slice. Lemon juice tastes sour and has a pH below 7. Lemon juice is**



A basic

B acidic

C neutral

D a salt

Understand It with Pulse | Flag a mistake

2 **Soapy water feels slippery and has a pH above 7. Soapy water is**

- **A** acidic
- **B** neutral
- **C** salt water
- **D** basic

Understand It with Pulse | Flag a mistake

3 **Which equation is the balanced equation for rusting iron**

- **A** $4Fe + 3O_2 \rightarrow 2Fe_2O_3$
- **B** $2Fe + 3O_2 \rightarrow 2Fe_2O_3$
- **C** $4Fe + O_2 \rightarrow 2Fe_2O_3$
- **D** $2Fe + O_2 \rightarrow Fe_2O_3$

Understand It with Pulse | Flag a mistake

4 **Which equation is the balanced equation for photosynthesis**

- **A** $6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + 6O_2$
- **B** $6CO_2 + H_2O \rightarrow C_6H_{12}O_6 + 6O_2$
- **C** $CO_2 + H_2O \rightarrow C_6H_{12}O_6 + O_2$
- **D** $6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + O_2$

Understand It with Pulse | Flag a mistake

5 **When 10 g of calcium carbonate breaks down, 5.6 g of calcium oxide is formed. The mass of carbon dioxide formed, in grams, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. D
3. A
4. A
5. 4.4

© 2026 Brett Robbins. All Rights Reserved.