QUEBEC SCIENCE AND TECHNOLOGY, SECONDARY IV · UNIT B · 5 QUESTIONS

Material World - Chemical Changes — 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 **A clear glass of water on a plain light surface with a spoon stirring in a pinch of white salt, salt crystals dissolving, bright daylight. A solution is made by dissolving 90 grams of salt in 3 litres of water. Its concentration, in grams per litre, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A solution contains 5 grams of solute in 100 grams of solution. Its concentration, in percent by mass, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **A solution has hydrogen ion concentration 10^{-11} moles per litre . Its pH is**

ANSWER

Understand It with Pulse | Flag a mistake

4 **In a closed reaction 12 grams of carbon react with 32 grams of oxygen to form carbon dioxide only. The mass of carbon dioxide formed, in grams, is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A solution is made by dissolving 120 grams of salt in 4 litres of water. Its concentration, in grams per litre, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 30
2. 5
3. 11
4. 44
5. 30

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