MANITOBA CHEMISTRY 40S · MANITOBA

Manitoba Chemistry 40S
Practice Test

Unit D: Solubility Equilibrium

10 Questions

Original practice test based on the Manitoba curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

A sample of ammonia has amount 6 moles and molar mass 17 grams per mole. Its mass, in grams, is

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Question 2

A sample of carbon dioxide has mass 220 grams. Its molar mass is 44 grams per mole. The amount, in moles, is

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Question 3

An amount of 2 moles of oxygen has molar mass 32 grams per mole. Its mass, in grams, is

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Question 4

A solution has 5 moles of solute in 1 litres. Its concentration, in moles per litre, is

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Question 5

A solution *has* hydrogen *ion* concentration 10⁻4 moles *per* litre . *Its pH is*

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Question 6

The unit of voltage is the

A) volt

B) ampere

C) ohm

D) watt

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Question 7

The speed of light in a vacuum is about

A) 150000 kilometres per second

B) 300000 kilometres per second

C) 300 kilometres per second

D) 3000 kilometres per second

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Question 8

The planet closest to the Sun is

A) Venus

B) Mars

C) Mercury

D) Earth

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Question 9

The process of water changing from liquid to gas is

A) condensation

B) freezing

C) melting

D) evaporation

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Question 10

The process of gas changing to liquid is

A) condensation

B) evaporation

C) sublimation

D) melting

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ANSWER KEY

1. 102
2. 5
3. 64
4. 5
5. 4
6. A
7. B
8. C
9. D
10. A

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