Solutions and Solubility — Practice Test

Ontario Chemistry, Grade 11, University Preparation (SCH3U) • 10 questions

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 base in water produces**

- **A** hydroxide ions
- **B** hydrogen ions
- **C** only salt
- **D** only gas

Understand It with Pulse | Flag a mistake

2 **A strong acid**

A does not dissociate

B dissociates almost completely in water

C is always concentrated

D is always dilute

Understand It with Pulse | Flag a mistake

3 **A concentrated solution differs from a strong acid because concentration refers to**

A how completely it dissociates

B pH only

C amount of solute per volume, while strength refers to degree of dissociation

D temperature

Understand It with Pulse | Flag a mistake

4 **In a titration, the endpoint is reached when**

- A the acid is added
- B the base runs out
- C the solution boils
- D the reaction is just complete, shown by an indicator change

Understand It with Pulse | Flag a mistake

5 **Hard water contains high levels of dissolved**

- A calcium and magnesium ions
- B sodium ions only
- C chloride ions only
- D oxygen

Understand It with Pulse | Flag a mistake

6 **Which solution would conduct electricity best?**

A Pure water

B Salt solution

C Sugar solution

D Oil

Understand It with Pulse | Flag a mistake

7 **When a solution is evaporated to dryness, the solute**

A disappears

B becomes a gas always

C remains as a solid residue

D turns into solvent

Understand It with Pulse | Flag a mistake

8 **A concentrated solution has**

A a small amount of solute per volume

B no solute

C only solvent

D a large amount of solute per volume

Understand It with Pulse | Flag a mistake

9 **A dilute solution has**

A a small amount of solute per volume

B a large amount of solute per volume

C no solvent

D only solute

Understand It with Pulse | Flag a mistake

10 **When salt dissolves in water, the water molecules surround the ions. This process is called**

A melting

B dissociation and hydration

C precipitation

D filtration

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.