CHEMICAL BONDING, MOLECULAR SHAPE (VSEPR THEORY), INTERMOLECULAR FORCES, AND PROPERTIES - PRACTICE TEST | NEW BRUNSWICK CHEMISTRY 111-112 · UNIT B · 10 QUESTIONS

Chemical Bonding, Molecular Shape (VSEPR Theory), Intermolecular Forces, and Properties — 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 **Water has a high boiling point for its size because of**

- **A** ionic bonding
- **B** hydrogen bonding
- **C** metallic bonding
- **D** no intermolecular forces

Understand It with Pulse | Flag a mistake

2 **Oil and water do not mix because oil is**

A polar and water is nonpolar

B ionic and water is covalent

C nonpolar and water is polar

D solid and water is liquid

Understand It with Pulse | Flag a mistake

3 **The shape of a molecule with 2 bonding pairs and 2 lone pairs on the central atom is**

A linear

B tetrahedral

C trigonal planar

D bent

Understand It with Pulse | Flag a mistake

4 **A bond between atoms with electronegativity values 4.0 and 2.2 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A bond between atoms with electronegativity values 2.8 and 2.0 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A bond between atoms with electronegativity values 3.3 and 2.1 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A bond between atoms with electronegativity values 2.7 and 2.3 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A bond between atoms with electronegativity values 3.8 and 2.6 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A bond between atoms with electronegativity values 2.4 and 2.0 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A bond between atoms with electronegativity values 3.7 and 2.9 has a difference of**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	0.8	**9.**	0.4
2.	C	**6.**	1.2	**10.**	0.8
3.	D	**7.**	0.4		
4.	1.8	**8.**	1.2		

© 2026 Brett Robbins. All Rights Reserved.