CALIFORNIA CHEMISTRY · UNIT 2 · 5 QUESTIONS

Bonding and Chemical Reactions — Practice Test

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1 **A polar covalent bond forms between atoms with**

A Equal sharing

B No sharing

C Proton transfer

D Unequal sharing due to different electronegativity

Understand It with Pulse | Flag a mistake

2 **Clear drinking glass filled with water on a plain white surface, a straight straw in the glass appearing bent at the water surface, no people. Water is bent in shape because the oxygen atom has**



A Two lone pairs that repel bonding pairs

B Four bonds

C An ionic bond

D No lone pairs

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3 **Methane, CH_4 , has a shape that is**

A Linear

B Bent

C Tetrahedral

D Trigonal planar

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4 **Ammonia, NH_3 , has a shape that is**

A Trigonal pyramidal

B Tetrahedral

C Square planar

D Linear

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5 **Hydrogen bonding occurs when hydrogen is bonded to a highly electronegative atom such as**

A Carbon only

B Nitrogen, oxygen, or fluorine

C Helium

D Sodium

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ANSWER KEY

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

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