Name Class Date
Section Quiz, continued 6. The Lewis structure of which of the following compounds do
follow the octet rule?
a. NH ₉ b. BF ₉
c. CCL, d. H4O
7. In a double covalent bond,
a, one stom has more than eight valence electrons.
 b. one atom loses a pair of electrons. c. two atoms share eight valence electrons.
d. two atoms share two pairs of electrons.
a. Which of the following is not a resonance structure of SO ₂ ?
- iö: ° ° °
Ĭ,
0 0
b. ¡Ö; d. ;ÿ;
Λ (0, 0)
9. How many double bonds are in the Lewis structure for hydro
fluoride, HF?
a. none b. one
c two
d. three
10. To draw a Lewis structure, it is not necessary to know a, the length of the bonds.
h the types of atoms in the molecule.
c. the number of valence electrons for each atom. d. the number of atoms in the molecule.
d. the number of about in the above
6. The structure of which of the following compounds suggests that
has the highest boiling point?
a. CH ₄ b. CO ₂
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h d 02
7. The VSEPR formula for a molecule of type AB ₂ E ₂ tells you that the
molecule is made up of a central atom A, with two B atoms and two E atoms bonded
(b.) central atom A, with two B atoms bonded to it and two unar
electron pairs. c. a central atom A, with two B atoms bonded to it by two bonds
electron pairs. d. two central atoms B, with an atom A and two atoms E bonded
and The Health 🖍 - Health Color (1987) (19
Drbitale Olequal energy produced by the combination of two or profitale on the same atom are called
a bonding drbitals
b. valence ofbitale
d high-energy orbitals.
9. The effects of hydrogen bonding will cause which compound to
the highest boiling point?
(a) H₂O b. PHa
c. H ₂ S
A HC
네트 그 그 그 그 그 사람들은 그 그 아내가 있는 것이 되는 것이 되었다. 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
10. Which are the intermolecular forces that can act between non-p
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10. Which are the intermolecular forces that can act between non-p

Lewis Structures, VSEPR, Polarity, IM Forces - Answers

For each of the following molecules, draw the Lewis structure (with any resonance structures, if applicable), indicate the molecular shapes and bond angles, indicate the molecular polarity (if any), and identify the major intermolecular force in each compound. Hint - in this worksheet, as in all chemistry problems you'll see, polyatomic ions aren't drawn as big lines of atoms.

5) carbonate ion