Name:	
Date:	7. In which molecule is carbon present? A) O ₂ B) H ₂ O
TOPIC: MOLECULES	C) CO ₂ D) NaCl
Instructions: Choose the correct answer for each question by circling the appropriate letter.	
1. What is a molecule? A) The smallest unit of matter B) A group of atoms bonded together C) A type of atom D) An individual proton	8. What is a compound?A) A single atomB) A molecule made of two or more different elementsC) A type of ionD) A group of protons and neutrons
2. What holds the atoms in a molecule together? A) Neutrons B) Protons C) Chemical bonds D) Electrons floating freely	9. Which of the following statements is true about molecules?A) All molecules must contain carbon atomsB) Molecules are always larger than individual atomsC) Molecules can consist of the same or different types of atoms
3. Which of the following is a diatomic molecule? A) H ₂ O	D) Molecules can be broken into atoms without any chemical reaction
B) CO ₂ C) O ₂ D) C ₆ H ₁₂ O ₆	10. Which molecule is commonly referred to as the "universal solvent"? A) NaCl
4. Water (H ₂ O) is an example of a molecule because it is made up of: A) Two hydrogen atoms and one oxygen atom B) Two oxygen atoms and one hydrogen atom C) Three oxygen atoms D) Only hydrogen atoms	B) H ₂ O C) CO ₂ D) CH ₄

$\begin{tabular}{ll} \bf 5. Which type of molecule is made of only one type of atom? \end{tabular}$

- A) Compound
- B) Element
- C) Mixture
- D) Ionic compound

6. What type of bond forms when atoms share electrons?

- A) Ionic bond
- B) Hydrogen bond
- C) Metallic bond
- D) Covalent bond

Answer Key
(For teachers' use only)

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