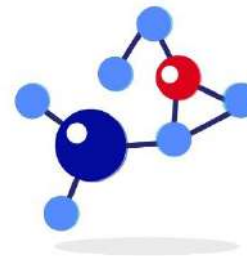


Name _____ Date _____



ATOMS, ELEMENTS, MOLECULES & COMPOUNDS QUIZ

1. Define the following:

a. Atom

b. Element

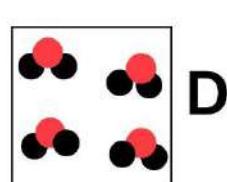
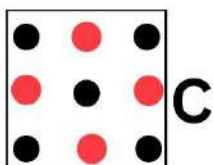
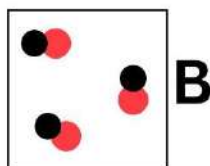
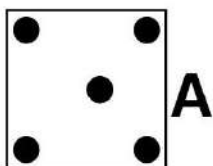
c. Molecule

d. Compound

2. Indicate whether the following substance is an element, molecule, or a compound

Substance	Element, Molecule, compound
Gold	
Water	
Salt	
Ozone	
Sugar	
Phosphorous	
Silver	
Methane	
Vinegar	
Oxygen gas	

3. Indicate whether each of the following statements is **True** or **False**
- Elements can only exist as atoms: _____
 - Compounds can only exist as molecules: _____
 - Elements cannot be broken down into new substances: _____
 - All atoms of a specific element have the different chemical makeup, size, and mass: _____
 - Molecule is any atoms that are together by a chemical bond: _____
 - Every compound is a molecule, and every molecule is a compound: _____.
 - When elements join and become compounds, they do not lose many of their individual behaviors: _____.
4. Indicate whether the substances represented by boxes A, B, C and D are **Elements, Mixture of elements, Compounds, or Mixture of compounds**.



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A: _____

B: _____

C: _____

D: _____

5. Study the formulae of compounds given in the table and use your knowledge of elements and compounds to complete the table.

Name of compound	Formulae	Elements present	Number of atoms in one molecule
Ammonia	NH_3		
Table salt	NaCl		
Water	H_2O		
Rust	Fe_2O_3		
Sucrose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$		