

Name: _____

Date: _____

- 1 There are millions of substances on earth, yet only approximately 109 elements on the periodic table. How is this possible?
 - A The atoms of different elements are capable of combining and forming new substances called compounds.
 - B It is not possible. There are only 109 substances on earth.
- 2 What is a compound?
 - A A substance formed elements and having the properties of those elements.
 - B A substance formed from elements but not having the properties of those elements.
- 3 How many elements are in the compound water, with the Chemical formula H_2O ?
- 4 How many atoms are in the compound water, with the Chemical formula H_2O ?
- 5 What elements make up a single molecule of ammonia, NH_3 ?
 - A Nitrogen and Hydroxide
 - B Nitrogen and Hydrogen
- 6 How many sulfur atoms in sulfuric acid, H_2SO_4 ?
- 7 How many hydrogen atoms in sulfuric acid, H_2SO_4 ?
- 8 How many Oxygen atoms in sulfuric acid, H_2SO_4 ?
- 9 How many valence electrons does Cl have?
- 10 Chemical bonds are formed when what is lost, gained, or shared?
 - A electrons
 - B protons