

Name_____ Pd_____

Answer the following questions. Choose the BEST possible answer. (2pts each)

- An ionic bond forms due to which of the following:
 - electricity
 - Attraction between positive and negative ions
 - sharing electrons
 - attraction between electrons in atoms
- Covalent bonds form from which of the following:
 - sharing protons
 - opposite charges on atoms
 - sharing electrons
 - Ions bonding together
- The octet rule states that how many electrons must be in an atoms outer energy level?
 - 4
 - 8
 - 18
 - 2
 - 0
 - 9
- Ionic Bonds are _____ than covalent bonds.
 - Stronger
 - Bigger
 - Weaker
 - Equal in strength
- Write the symbol for the ion that forms from the following atoms (1 pt each)
Ba_____ Cesium_____ Al_____ F_____ Xenon_____
Calcium_____ H_____ Cu(I)_____ Fe(III) _____ Potassium_____
- How many valence electrons does each of these ATOMS contain (1 pt each)
S_____ Silicon_____ Nitrogen_____ Br_____ Magnesium_____ Li_____
- Write the formula for the following compounds (2 pts each):
Barium Acetate _____ Lead (II) Nitrate _____
Sodium Phosphate _____ Zinc Chloride _____
Copper (I) Sulfate _____ Strontium Hydroxide _____
Aluminum Carbonate _____ Iron (III) Oxide _____