

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Warm up 87

Chemistry

**ARRANGE** the following elements according to INCREASING electronegativity.

\_\_\_\_\_ a) C, N, O \_\_\_\_\_ b) S, Se, Cl

**ARRANGE** the following elements according to INCREASING first ionization energies.

\_\_\_\_\_ a) Be, Mg, Ca \_\_\_\_\_ b) Te, I, Xe

**TELL** which ion or atom has the LARGER atomic radius in each of the following sets.

\_\_\_\_\_ a) F<sup>-</sup>, Ne, Na<sup>+</sup> \_\_\_\_\_ b) O<sup>+</sup>, O, O<sup>-</sup> \_\_\_\_\_ c) Mg<sup>+</sup>, Sr<sup>+</sup>, Ca<sup>+</sup>

**WOULD** the following pairs of elements combine? (**Y**)es or (**N**)o

\_\_\_\_\_ Ne and Li \_\_\_\_\_ H and O \_\_\_\_\_ Ca and Na \_\_\_\_\_ Ag and Cl

**DRAW** the Lewis dot symbols for the following atoms.

calcium                      bromine                      francium                      selenium                      arsenic

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Warm up 88

Chemistry

**ARRANGE** the following elements according to INCREASING electronegativity.

\_\_\_\_\_ a) Zn, As, F, P, O \_\_\_\_\_ b) Sn, I, Sr, Cs

**ARRANGE** the following elements according to INCREASING first ionization energies.

\_\_\_\_\_ a) S, Sr, Se, O, Ba, Ca, \_\_\_\_\_ b) Ar, Na, S, Al, K

**TELL** which ion or atom has the SMALLER atomic radius in each of the following sets.

\_\_\_\_\_ a) Ca, As \_\_\_\_\_ b) F, Kr \_\_\_\_\_ c) Sr<sup>2+</sup>, Rb<sup>+</sup> \_\_\_\_\_ d) H<sup>-</sup>, H<sup>+</sup>

**WRITE** the chemical formula for the following elements combined with chlorine?

\_\_\_\_\_ Li \_\_\_\_\_ H \_\_\_\_\_ Ca \_\_\_\_\_ Ag

**DRAW** the Lewis dot symbols for the following atoms.

iodine                      potassium                      boron                      cobalt                      silicon