

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

Warm up 85

## Chemistry

FILL in the table.

	protons	neutrons	electrons	atomic mass #
$^{90}\text{Sr}^{2+}$	_____	_____	_____	_____
$^{32}\text{S}^{2-}$	_____	_____	_____	_____

LIST the number of valence electrons and the possible charge for the following:

sodium \_\_\_\_\_ carbon \_\_\_\_\_ oxygen \_\_\_\_\_

### DESCRIBE:

electronegativity -

ionization energy -

octet rule -

modern periodic law -

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

Warm up 86

## Chemistry

DESCRIBE the following terms:

electronegativity -

ionization energy -

atomic radii -

- **Arrange** these elements according to INCREASING electronegativity: Zn, As, F, P, O
- **Arrange** these elements according to INCREASING 1st ionization energies: S, Sr, Se, O, Ba, Ca
- **Tell** which ion or atom is larger in each of the following pairs: Al, Ar    Cu<sup>+</sup>, Au<sup>+</sup>    N, F    Br, I
- **Give** the number of valence electrons in each of the following: \_\_\_\_ K    \_\_\_\_ Cl    \_\_\_\_ Al    \_\_\_\_ Ba

**THINK:** Will potassium react with oxygen? Explain.