

Valence Numbers, Ions, and Oxidation Numbers  
CHEM 1405

1. Give the valence number for the following elements.

a) S                    6

b) Na                   1

c) P                    5

d) Br                   7

e) Al                    3

2. Draw the symbol for an ion that has 16 protons and 18 electrons.



3. Give the oxidation numbers of the following elements:

a) Cl                    -1

b) Na                    +1

c) Al                    +3

d) O                    -2

e) Mg                    +2