

REVIEW OF BASIC CHEMISTRY ANSWER KEY

1. Name the following elements. Spelling counts:

H *hydrogen*
S *sulphur*
Cl *chlorine*
C *carbon*
N *nitrogen*
Na *sodium*
Pb *lead*
Ag *silver*

2. Write the symbols for the following elements.

sodium *Na*
phosphorus *P*
fluorine *F*
magnesium *Mg*
potassium *K*
calcium *Ca*
zinc *Zn*
iron *Fe*

3. Using a periodic table, record the atomic number for the following elements:

gold (Au) **79** copper (Cu) **29**

4. Using a periodic table, record the atomic mass for the following elements to one decimal place:

chlorine (Cl) **35.5** calcium (Ca) **40.1**

5. Complete the following table. Use the information provided in the chart – not a periodic table – to determine atomic masses, but you may refer to a periodic table to name the element.

Element	Atomic Number	Atomic Mass	Protons	Neutrons	Electrons
Lead	82	207	82	125	82
Argon	18	36	18	40	18
Barium	56	137	56	81	56
Tin	50	112	50	62	50

6. Match the unit with its description:

F 1. amount of substance
C 2. density
B 3. mass
D 4. molar mass
A 5. energy
E 6. volume

A. joule
B. g
C. g/mL
D. g/mole
E. L
F. mole

Answers For Merrill Chemistry Review

Yicheng Fang

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