

## Chemistry 30 REVIEW OF BASIC CHEMISTRY ANSWER KEY

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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**

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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
<b>lead</b>	82	<b>207</b>	<b>82</b>	125	<b>82</b>
<b>argon</b>	<b>18</b>	<b>58</b>	18	40	<b>18</b>
barium	<b>56</b>	137	<b>56</b>	<b>81</b>	<b>56</b>
<b>tin</b>	<b>50</b>	89	<b>50</b>	<b>39</b>	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. molecular mass  
E 6. volume

A. amu or u  
B. g  
C. g/mL  
D. g/mole  
E. L  
F. mole