

Actv. Gr. Quiz:  
Selected Metric Prefixes and Selected Elements

To prepare for this quiz:

1) Memorize the following selected metric prefixes:

Mega: 1 M unit =  $1 \times 10^6$  unit

Kilo: 1 k unit =  $1 \times 10^3$  unit

Centi: 1 c unit =  $1 \times 10^{-2}$  unit

Milli: 1 m unit =  $1 \times 10^{-3}$  unit

Micro: 1  $\mu$  unit =  $1 \times 10^{-6}$  unit

Nano: 1 n unit =  $1 \times 10^{-9}$  unit

Pico: 1 p unit =  $1 \times 10^{-12}$  unit

[1 cm<sup>3</sup> = 1 mL]

(Test yourself: [Selected Metric Prefixes for CHM1045C](#))

2) Solve problems using dimensional analysis: watch tutorial [How to Convert Units](#) and [Dimensional Analysis](#).

3) Memorize the following selected elements (spell correctly) and their symbols:

| <u>Symbol – Name</u> | <u>Symbol – Name</u> | <u>Symbol – Name</u> | <u>Symbol – Name</u> |
|----------------------|----------------------|----------------------|----------------------|
| H - hydrogen         | Si - silicon         | Co - cobalt          | Xe - xenon           |
| He - helium          | P - phosphorus       | Ni - nickel          | Cs - cesium          |
| Li - lithium         | S - sulfur           | Cu - copper          | Ba - barium          |
| Be – beryllium       | Cl - chlorine        | Zn - zinc            | Au - gold            |
| B - boron            | Ar - argon           | Br - bromine         | Hg – mercury         |
| C - carbon           | Ca - calcium         | Kr - krypton         | Pb – lead            |
| N - nitrogen         | Ti - titanium        | Rb - rubidium        | Rn – radon           |
| O - oxygen           | V - vanadium         | Sr – strontium       | K – potassium        |
| F - fluorine         | Cr – chromium        | Ag - silver          | I - iodine           |
| Na - sodium          | Mn - manganese       | Cd - cadmium         | Ne - neon            |
| Mg - magnesium       | Fe - iron            | Sn - tin             | Se - selenium        |
| Al - aluminum        |                      |                      |                      |

(Test yourself: [Elements and Symbols CHM1045C](#))