Stoichiometry

- study of the _____ relationships in a _____ _____

- based on _____ equations

2 Mg + O$_2$ → 2 MgO
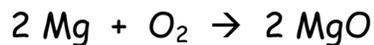
The _____ in a _____ _____ give the _____ _____ for the _____ involved in the _____.

Ex. Problem:
When elemental aluminum reacts with elemental iodine, aluminum iodide is produced.

mole ratios: _____ Al: _____ I$_2$
                            _____ Al: _____ AlI$_3$
                            _____ I$_2$: _____ AlI$_3$

If you start with 4 moles of Al, how many moles of AlI$_3$ will be produced?

<u>Problem Set One</u>

How many moles of water will be produced when _____ grams of hydrogen gas react with the oxygen in the air?

(Hint: To "make the switch" between different substances in a reaction, use the _____ ratio from the _____ equation.)

<u>Problem Set Two</u>

The Chemistry Quiz

CR1.   CR2.   1.   2.

      3.   4.   5.