Chemistry Worksheet

# Balancing Chemical Equations

Balance the following chemical equations:

1. + +
2. + +
3. + +
4. +
5. +

# Molar Mass Calculations

Calculate the molar mass of the following chemical compounds:

# Stoichiometric Calculations

Answer the following stoichiometric problems:

1. How many grams of are required to completely burn 32 grams of ?

* (Molar mass: = 16 g/mol, = 32 g/mol)

1. How many grams of are produced when 48 grams of react with hydrogen to form water?

* (Molar mass: = 18 g/mol, = 32 g/mol)

1. What is the mass of formed when 30 grams of react completely with chlorine gas?

* (Molar mass: = 58.5 g/mol, = 23 g/mol)