Chemistry Worksheet

# Balancing Chemical Equations

Balance the following chemical equations:

1. + $\rightarrow $ +
2. + $\rightarrow $ +
3. + $\rightarrow $ +
4. + $\rightarrow $
5. + $\rightarrow $

# 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)