

Chemical Equations

- a _____ way of reporting the _____ of a _____

Reactants

- the _____ substances in a _____
- placed on the _____ side of the _____

Products

- the substances _____ during a _____
- placed on the _____ side of the _____

→

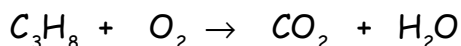
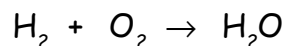
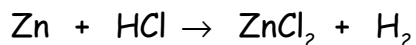
- arrow is read as _____

Coefficients

- used to _____
- represent the _____ of _____, _____, or _____ of the _____.

Law of Conservation of Mass

Mass _____ be _____ or _____.



Guidelines for Balancing Equations

- Start by _____ an _____.
- Draw _____ around each _____ in the _____.
- Begin with _____ molecules or formula unit of the _____ containing the _____ atoms.
- Balance _____ ions that appear on _____ sides of the _____ as a single unit.
- Balance _____ and _____ atoms _____.



Hydrogen and oxygen combine to produce water.

7 Diatomic Elemental Molecules

- Diatomic: _____
- _____, _____, _____, _____, _____, _____, _____

Carbon disulfide reacts with oxygen to produce carbon dioxide and sulfur dioxide.

The Chemistry Quiz

CR1. _____ CR2. _____ 1. _____ 2. _____
3. _____ 4. _____ 5. _____