

Chemical Reactions Review Answer Key

Terminology

Solute: One or more substances dissolved in a solution.

Precipitate: A solid produced during a chemical reaction in a solution.

Aqueous Solution: A solution in which the solvent is water.

Acid: A compound or formula that begins with "H" or hydrogen.

Base: A compound or formula that ends with an "OH" ion or hydroxide.

Acidic Oxide: A non-metal combined with "O" or oxygen.

Basic Oxide: A metal combined with "O" or oxygen.

Salt: An ionic compound (a metal + non-metal)

Dissociation: When ionic compounds dissolve in water and separate into their ions.

Diatomic Elements: P_4 S_8 H_2 O_2 F_2 Br_2 I_2 N_2 Cl_2

1. Water
2. Cooking, Nail rusting, bread rising, fruit ripening, digestion, combustion in a car engine, photosynthesis, Apple browning, acid rain, fireworks show
3. Temperature change, colour change, precipitate is formed, light, reaction is irreversible, odour, gas formed
4. a) No
b) Yes
c) Yes
5. Law of conservation of mass states that the mass of the reactants must equal the mass of the products. By balancing an equation,

