

**Temperature** measure of the random motions (average kinetic energy) of the components of a substance

**Tertiary structure (of a protein)** the overall shape of a protein, long and narrow or globular, maintained by different types of intramolecular interactions

**Theoretical yield** the maximum amount of a given product that can be formed when the limiting reactant is completely consumed

**Theory (model)** a set of assumptions put forth to explain some aspects of the observed behavior of matter

**Thermodynamics** a study of energy and its interactions

**Titration** a technique in which one solution is used to analyze another

**Torr** another name for millimeters of mercury (mm Hg)

**Trace elements** metals present only in trace amounts in the human body

**Transition metals** several series of elements in which inner orbitals (*d* or *f* orbitals) are being filled

**Transuranium elements** the elements beyond uranium that are made artificially by particle bombardment

**Triple bond** a bond in which two atoms share three pairs of electrons