

Teratogenic: Compounds which can produce birth defects in lower forms of life.

Thermal reaction (chemical): A thermal reaction between chemical species occurs due to the internal energy of the reacting species (vibrational, translational, etc.). The reaction occurs without the need for an external source of energy (e.g., light) and the efficiency is usually a function of the temperature.

Time-step: The interval of time at which computations are made in a computer model.

Trajectory: The path or track of an air parcel through the atmosphere. It can be calculated from observed or gridded wind data either forward or backward from a point.

Transfer Matrix: A series of numbers relating the deposition or concentration of a pollutant in one region to the emissions of the pollutant or its precursors from another region.

Transformation (chemical): The processes by which chemical species are converted into other chemical species (in the atmosphere).

Trend: Have a specified general direction in space or time.

Troposphere: The portion of the atmosphere from the earth's surface to the tropopause; that is, the lowest 8 to 16 kilometers of the atmosphere.

Turbulent Diffusion: The spread or dispersion of a conservative property by eddies in a turbulent flow.

Turbulent Mixing: The exchange of air parcels in different regions of the atmosphere as a result of turbulent air motions.