



## AIR POLLUTION

### SELF-ASSESSMENT TEST

#### LESSON 1

State whether each of the following statements about **Concepts of Air Pollution and the Characteristics of the Atmosphere** is True (T) or False (F)

1	The residence time is the time it takes for 25% of the quantity of a pollutant to disappear in its various sinks	T	F
2	Natural sources of air pollution can be predicted and assessed but cannot complexly prevented or controlled	T	F
3	Greenhouse gases absorb and reemit visible radiation, whereas they are transparent to infrared radiation	T	F
4	At 25 C and 1 atmosphere, 5 ppm of carbon monoxide equal $5714 \mu\text{g}\cdot\text{m}^{-3}$	T	F
5	Oxidation is the prime chemical removal mechanism for inorganic and organic gases	T	F
6	Precursors can be primary pollutants or natural constituents of the atmosphere	T	F
7	Tropospheric ozone absorbs most of the biologically damaging UV sunlight	T	F
8	Acid rain is a local air pollution problem	T	F
9	Atmospheric pressure decreases exponentially with increasing altitude	T	F
10	Thermosphere is of interest to aerospace engineers because it is traversed by commercial airplanes	T	F