

Table 3.1 Pollutants, sources, and the impacts of air pollution

Pollutant	Source	Impact
1. Suspended Particulate Matter (SPM)	Motor vehicles Wood-burning Industrial activities	Respiratory infection Throat irritation Aggravated asthma
2. Sulphur Oxides	Vehicles (diesel-using) Factory emissions	Affect respiratory tract and permanent lung damage Bronchitis Emphysema Asthma Plant growth reduction Beans and tomatoes with bleached colorless spots
3. Nitrogen Oxides	Vehicle motors Power stations	Respiratory diseases Chest congestion Eye irritation Headache Suppressed growth of beans and tomatoes Increase abscission and reduce yield in citrus plants Spots and mild necrosis on cotton and bean plants Acute leaf failure
4. Lead	Windblown dust Vehicles Coal & wood-burning Metal production Phosphate fertilizer	Affected central nervous system Renal damage Hypertension Children are 3 times more at risk than adult Effects on plants
5. Carbon Monoxide	Petrol vehicles (2 and 3 wheelers)	Reduces the ability of blood to carry oxygen Exacerbates heart disorders
6. Aromatic Hydrocarbons	Unburned fuel from diesel engines	Drowsiness Eye irritation
7. Benzene	Unleaded petrol	Carcinogen Affected central nervous system
8. Ozone	Reaction between VOCs and NO _x in presence of sunlight	Reduced lung function Asthma Eye irritation Nasal congestion Lowered resistance to infection

Source: Philip Gain,1998