

Air Pollution

- **London smog:** December 1952 – air in London become stagnant and cloud cover blocked incoming solar radiation.
In a week 4000 people died.
- **Slash and burn**

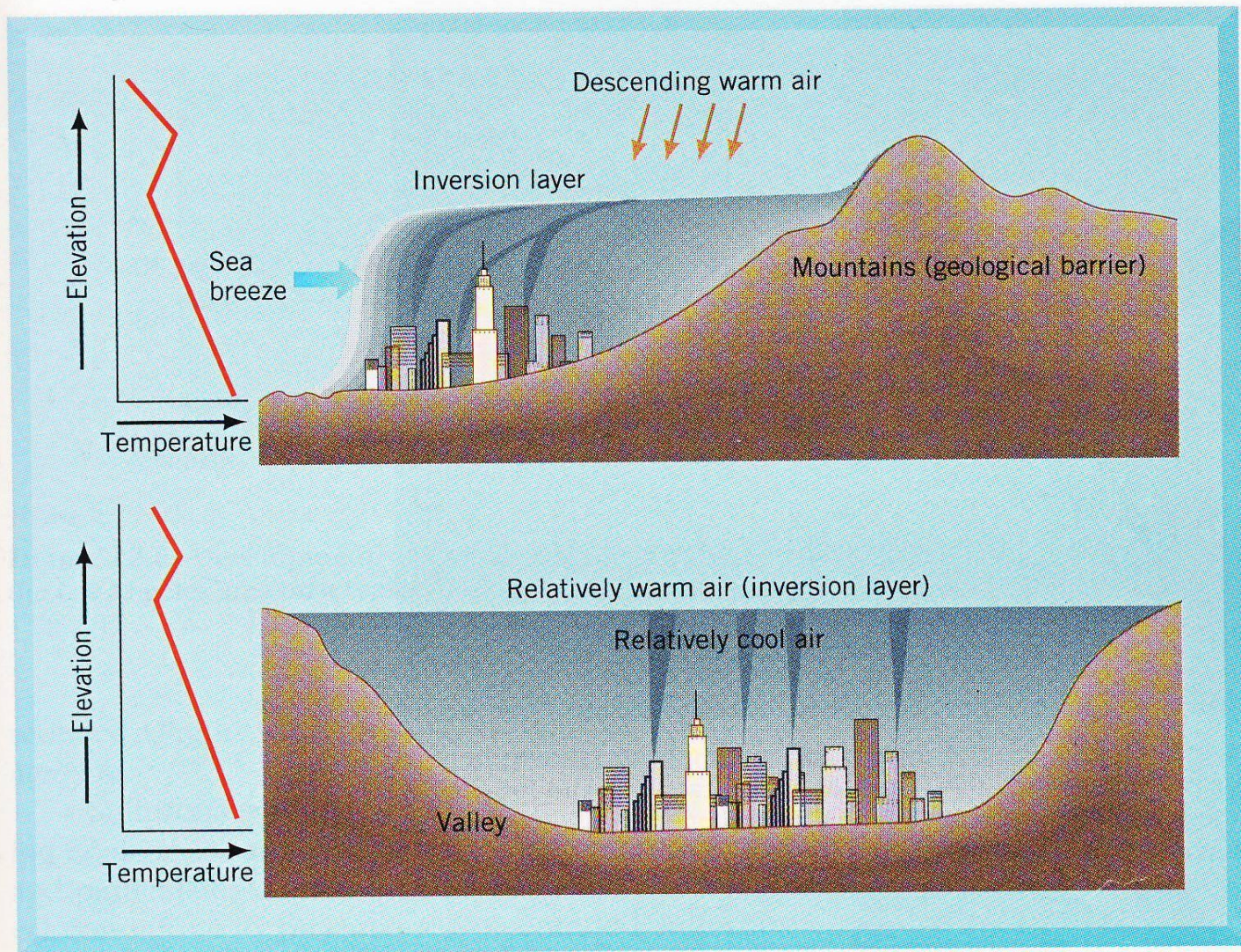
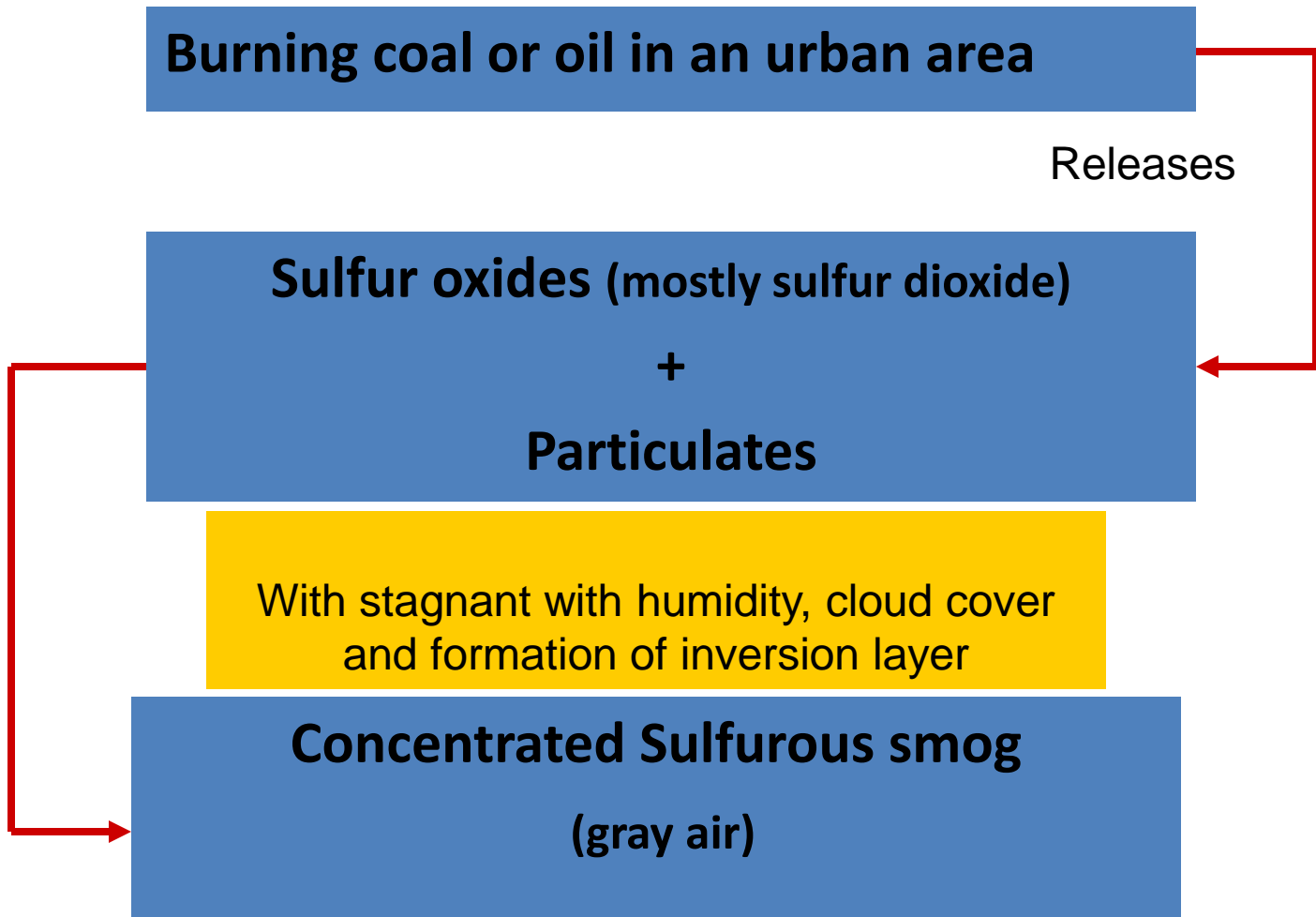
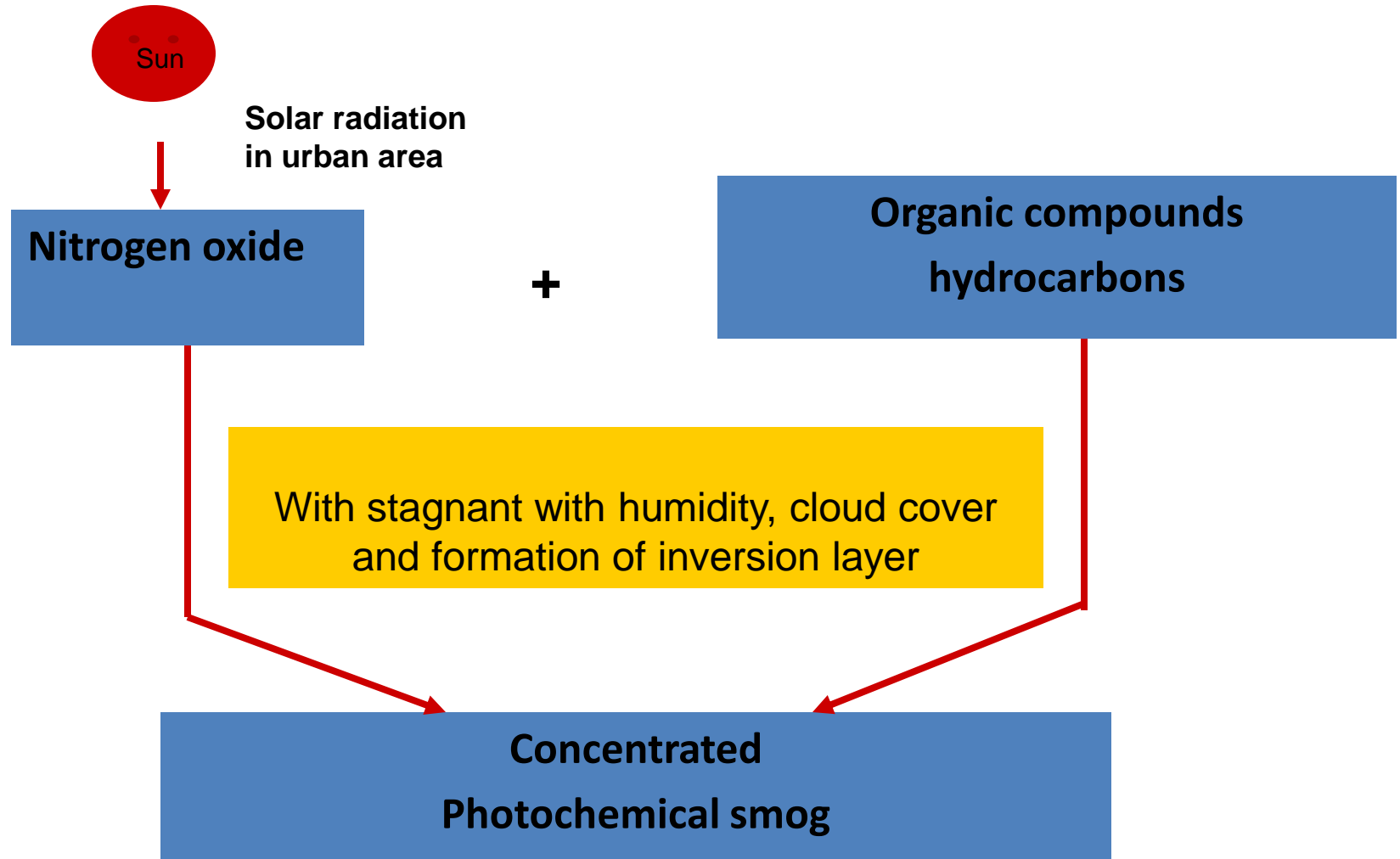


FIGURE 22.4 Two causes for the development of a temperature inversion, which may aggravate air pollution problems.

Sulfurous Smog



Photochemical Smog



General Effects of Air Pollution

- Visually aesthetic resources
- Vegetation
- Animals
- Soils
- Water quality
- Structures, and
- Human health

Sources of Air Pollution

- Stationary sources: Point sources, Fugitive sources and area sources
- Mobile sources

Air Pollutants

- **Primary pollutants: Particulates, Sulfur dioxide, Carbon monoxide, Nitrogen dioxide and hydrocarbon**
- **Secondary pollutants: ozone**