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differentiate between the two categories of pollutants: primary and secondary pollutants. Primary pollutants are those emitted directly from sources such as vehicles, factories, and power plants. Secondary pollutants are formed through chemical reactions in the atmosphere, such as the conversion of sulfur dioxide into sulfuric acid or nitrogen oxides into nitric acid.

The main sources of primary pollutants include:

- Industrial emissions: From factories, refineries, and power plants emitting smokestack gases containing sulfur dioxide, nitrogen oxides, and particulate matter.
- Transportation: From vehicles like cars, buses, and trucks emitting尾气 (tailpipe) emissions containing carbon monoxide, hydrocarbons, and particulate matter.
- Residential sources: From burning of fossil fuels for heating and cooking, emitting smoke and particulate matter.

Secondary pollutants are formed through chemical reactions in the atmosphere, such as the conversion of sulfur dioxide into sulfuric acid or nitrogen oxides into nitric acid.

The main sources of secondary pollutants include:

- Industrial emissions: From factories, refineries, and power plants emitting smokestack gases containing sulfur dioxide, nitrogen oxides, and particulate matter.
- Transportation: From vehicles like cars, buses, and trucks emitting尾气 (tailpipe) emissions containing carbon monoxide, hydrocarbons, and particulate matter.
- Residential sources: From burning of fossil fuels for heating and cooking, emitting smoke and particulate matter.

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