

Solutions

Each answer shows the steps, then the **result**.

2.1

- CO, NO_x, and unburned hydrocarbons from car exhaust

2.2

- SO₂ (sulfur dioxide)

2.3

- To limit how much pollution sources may release

3.1 B

- a scrubber

3.2

(a)

- Particulates: electrostatic precipitator/filter; SO₂: scrubber

(b)

- They set legal limits, so plants must install control technology or reduce output to comply

3.3

- Prevention avoids creating the pollutant at all (saving cleanup costs and avoiding leaks), while control devices only capture some of it after it forms