

Solutions

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

2.1

- Primary pollutants are emitted directly; secondary pollutants form in the air from primary ones

2.2

- SO₂ (or particulates)

2.3

- Burning fossil fuels

3.1 B

- forms in the air from other pollutants

3.2

(a)

- SO₂ = primary; sulfuric acid = secondary

(b)

- Acid rain

3.3

- Most primary and secondary pollutants come from burning fossil fuels, so cutting combustion cuts emissions of CO, SO₂, NO_x, and particulates at the source