

Solutions

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

2.1

- Infrared (heat) radiation

2.2

- Any two: CO₂, methane, nitrous oxide, water vapor, CFCs

2.3

- It keeps Earth warm enough for life

3.1 B

- infrared (heat) radiation

3.2

(a)

- The natural effect keeps Earth livably warm; the enhanced effect is the extra warming from human-added greenhouse gases

(b)

- CO₂, mainly from burning fossil fuels

3.3

- Without greenhouse gases trapping heat, Earth's average temperature would be well below freezing, too cold for most life