

Solutions

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

2.1

- CFCs (chlorofluorocarbons)

2.2

- Chlorine

2.3

- Any one: skin cancer, cataracts, crop/plankton damage

3.1 B

- absorbs harmful UV radiation

3.2

(a)

- CFCs rise to the stratosphere; UV breaks them, releasing chlorine; each chlorine atom destroys many ozone molecules in a chain reaction

(b)

- Skin cancer (or cataracts)

3.3

- Good ozone is in the stratosphere and shields Earth from UV; bad ozone is at ground level, a smog pollutant that harms lungs