

Solutions

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

2.1

- A pathogen (bacterium, virus, or parasite)

2.2

- Any one: cholera, dysentery, typhoid

2.3

- An organism that carries and transmits a pathogen

3.1 B

- a vector

3.2

(a)

- Sewage contaminates the drinking water with the cholera bacterium; people drink the contaminated water and become infected, spreading it further

(b)

- Any one: clean water supply, sewage treatment, sanitation

3.3

- Warmer temperatures can expand the range and breeding season of the vector (e.g. mosquitoes), so the disease reaches new areas and more people