

8 Waste, sewage, and health – Part 2 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 reduce, reuse, recycle – reducing (making less waste) is best.

2.2 solids are settled out (primary), bacteria break down organic matter (secondary), and sometimes nutrients are removed and the water disinfected (tertiary).

2.3 the dose of a substance that kills half of a test population – a measure of its toxicity.

2.4 X is more toxic – by $\frac{200}{10} = 20$ times (its LD50 is smaller).

2.5 through contaminated water and food; prevented by clean water and good sanitation (or vaccination). \