

Solutions

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

2.1

- Acute is a single short high-dose exposure; chronic is repeated low-dose exposure over a long time

2.2

- A substance that causes cancer

2.3

- Any one: lead, mercury

3.1 C

- a teratogen

3.2

(a)

- Chronic

(b)

- Lead is a neurotoxin; it damages the developing brain, so children are especially at risk of learning and developmental problems

3.3

- The effects build up slowly and may resemble other conditions, so the cause is hard to identify, yet the accumulated damage can be serious