

Solutions

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

2.1

- From ancient organisms buried and compressed over millions of years

2.2

- Any one: high energy density, cheap, reliable, existing infrastructure

2.3

- Any one: CO₂/climate change, air pollution, extraction damage

3.1 B

- carbon dioxide

3.2

(a)

- Any two: CO₂ emissions, air pollution/acid rain, land/water damage from mining

(b)

- It is cheap, energy-dense, reliable, and the infrastructure already exists

3.3

- They form over millions of years — far slower than we use them — so the supply is limited and cannot be replaced on a human timescale