

Sustainability

Name:

Date:

INQUIRY

Can 10 billion people live on Earth without destroying it? What does sustainability actually mean?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Sustainability	Meeting present needs without compromising future generations.
Carbon neutral	Net zero carbon emissions.

Part A — Understanding

1. Define sustainability. Give one example of a sustainable practice and one unsustainable practice. [3 marks]

Part B — Global Actions

2. China aims for carbon neutrality by 2060. Germany aims for 2045. Korea aims for 2050. (a) What does carbon neutral mean? (b) Describe TWO strategies a country could use. (c) Which target is most ambitious? Why? [4 marks]

Part C — Personal Action

3. Calculate your personal energy use for one day (estimate: lights, devices, transport, heating/cooling). Suggest 3 changes to reduce it by 30%. [4 marks]