

Ecology — Full Revision

Name:

Date:

INQUIRY

Ecosystems, food webs, populations, human impact, conservation — everything is connected.

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Ecosystem	Biotic + abiotic.
10% rule	Energy transfer between levels.
Carrying capacity	Max sustainable population.

Full Revision (30 marks)

1. Name 3 biotic and 3 abiotic factors in the Yangtze River. [3 marks]

2. Producer: 60,000 kJ. Energy at tertiary consumer level (10% rule)? [2 marks]

Show your working:

3. Describe predator-prey relationship using wolves and deer. [3 marks]

4. Name 3 human impacts and one solution for each. [3 marks]

5. Why is higher biodiversity better for ecosystem stability? [2 marks]