

Data & Graphs

Name:

Date:

INQUIRY

Chinese scientists studying Nanjing's air quality collected years of data. How do you turn numbers into a story?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Bar chart	For comparing categories (discrete data).
Line graph	For showing trends over time (continuous data).
Anomaly	A result that doesn't fit the pattern (outlier).

Part A — Choosing Graphs

1. Which type of graph for: (a) favourite sport at NIS (b) temperature over 24 hours (c) plant height each week (d) number of students per nationality? Explain each choice. [4 marks]

Part B — Drawing

2. A student measures plant height weekly: Week 1: 3cm, Week 2: 5cm, Week 3: 8cm, Week 4: 12cm, Week 5: 11cm, Week 6: 17cm. (a) Draw a line graph in the space below. (b) Identify any anomalies. (c) Describe the trend. [6 marks]