GRADE 6 SCIENCE

Day, Night & Seasons

Name: Date:

INQUIRY

In Nanjing, summer days are 14 hours long but winter days are only 10 hours. In Seoul it's similar. Why?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Axis tilt	Earth tilted 23.5° — causes seasons.
Hemisphere	Half of Earth (Northern or Southern).

Part A — Seasons

1. Explain why Nanjing has summer when Sydney has winter. Include Earth's tilt. [3 marks]

2. In June, the Northern Hemisphere tilts TOWARD the Sun. Explain how this gives Nanjing (a) longer days and (b) more direct sunlight. [3 marks]

Part B — Application

3. Germany is further from the equator than Nanjing. How does this affect: (a) day length in winter (b) average temperature (c) the height of the Sun in the sky? [3 marks]