

# Earth, Moon & Seasons

Name:

Date:

**INQUIRY**

**When it's summer in Nanjing, it's winter in Sydney. When it's a full moon in Korea, it's a full moon everywhere. Why?**

Discuss with your partner. Write your initial ideas below:

## Key Vocabulary

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Term	Definition
<b>Orbit</b>	The path of one object around another.
<b>Axis tilt</b>	Earth tilted 23.5 degrees — causes seasons.
<b>Lunar phases</b>	Changing appearance of the Moon over ~29.5 days.

## Part A — Seasons

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1. Explain why Nanjing has summer when Berlin also has summer, but Australia has winter. Include Earth's tilt in your answer. [3 marks]

## Part B — Moon Phases

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**2.** Draw and label the 8 main Moon phases in order. Name each one. [4 marks]

**3.** The Korean Chuseok and Chinese Mid-Autumn Festival both celebrate the full moon. Explain why the full moon always occurs at the same phase regardless of location on Earth. [2 marks]