

Diffusion

Name:

Date:

INQUIRY

When someone opens a bottle of Korean kimchi in the classroom, everyone smells it within seconds. How?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Diffusion	Net movement of particles from high to low concentration.
Concentration gradient	Difference in concentration between two areas.

Part A — Understanding

1. Define diffusion. Explain why particles move from high to low concentration. [3 marks]

2. Give 3 examples of diffusion in everyday life. At least one should relate to Chinese, Korean, or German culture. [3 marks]

Part B — Factors

3. Name 3 factors that affect the rate of diffusion. Explain how each one speeds it up. [3 marks]

Part C — Application

4. Explain how oxygen diffuses from the air in your lungs into your blood. Use the terms: concentration gradient, diffusion, membrane. [4 marks]