



# States of Matter

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 3

## Part A: Multiple Choice

Circle the best answer for each question.

1. What happens to the particles of a substance when it is heated?

- A) They stop moving completely
- B) They move faster and spread apart
- C) They stick together more tightly
- D) They shrink in size

2. Which is the best example of evaporation?

- A) Snow piling up on a driveway
- B) A glass of water getting warm
- C) Wet clothes drying on a line
- D) An ice cube sitting in a freezer

3. Why can you smell cookies baking from another room?

- A) The cookie particles are solids that roll through the air
- B) Gas particles from the cookies spread through the air
- C) The oven pushes liquid cookie smell to you
- D) Sound waves carry the smell to your nose

4. A glass of ice water has water droplets forming on the outside. Why?

- A) Water leaks through the glass
- B) The ice is melting on the outside
- C) Water vapor in the air condenses on the cold glass
- D) The glass is sweating because it is nervous

## Part B: Fill in the Blank

Write the correct answer on each line.

1. Water boils at \_\_\_\_\_ degrees Celsius and turns into steam.
2. When particles slow down and pack together, a liquid becomes a \_\_\_\_\_.
3. The amount of space an object takes up is called its \_\_\_\_\_.
4. A gas can be \_\_\_\_\_ into a smaller space by pushing its particles closer.
5. Snow is frozen water, which means it is in the \_\_\_\_\_ state.

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### Part B: Fill in the Blank

Write the correct answer on each line.

1. Water boils at 100 degrees Celsius and turns into steam.
2. When particles slow down and pack together, a liquid becomes a solid.
3. The amount of space an object takes up is called its volume.
4. A gas can be compressed into a smaller space by pushing its particles closer.
5. Snow is frozen water, which means it is in the solid state.