

Name \_\_\_\_\_

## The Magic of Clouds: How Do Clouds Form?

### Multiple Choice Questions

1. What is the invisible gas form of water that exists in the air?

- a) Liquid water
- b) Ice
- c) Water vapor
- d) Snowflakes

2. What causes water from oceans, lakes, and rivers to evaporate into the air?

- a) Rain
- b) Wind
- c) Sunlight
- d) Clouds

3. Why does rising air cool down as it ascends?

- a) It absorbs heat from the ground.
- b) It encounters condensation nuclei.
- c) It is heated by the sun.
- d) It expands and loses energy.

4. What are condensation nuclei?

- a) Tiny particles in the air
- b) Large ice crystals
- c) Raindrops
- d) The core of a cloud

5. How does humidity affect cloud formation?

- a) Higher humidity accelerates cloud formation.
- b) Higher humidity inhibits cloud formation.
- c) Humidity has no impact on cloud formation.
- d) Humidity causes clouds to disappear.

