

## Grade 4 Science Worksheet 4: Composition and Properties of Air (Difficulty Level: Intermediate)

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

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

Question 1: Which property of air explains why a deflated balloon becomes bigger when air is added?

- a) Air has color.
  - b) Air takes up space.
  - c) Air is invisible.
  - d) Air moves quickly.
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Question 2: What percentage of air is nitrogen?

- a) About 21%
  - b) About 78%
  - c) About 1%
  - d) About 50%
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Question 3: How do humans use oxygen in the air?

- a) To breathe and produce energy in the body.
  - b) To make food in their bodies.
  - c) To clean the air.
  - d) To give air its weight.
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Question 4: Which gas in the air absorbs heat and keeps the Earth warm?

- a) Oxygen
- b) Carbon dioxide
- c) Nitrogen
- d) Argon

Question 5: Why is water vapor in the air important for weather?

- a) It helps form clouds and precipitation.
  - b) It keeps the air cool.
  - c) It removes carbon dioxide from the atmosphere.
  - d) It allows plants to grow.
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Bonus Question:

Why is it important to have a balance of gases in the air?

- a) It keeps the air smelling fresh.
- b) It ensures all living things can survive.
- c) It allows gases to mix better.
- d) It prevents the air from moving.