

## Grade 4 Science Worksheet 3: Composition and Properties of Air (Difficulty Level: Intermediate)

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

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

**Question 1: How does air pressure change as altitude increases?**

- a) Air pressure increases.
  - b) Air pressure decreases.
  - c) Air pressure stays the same.
  - d) Air pressure becomes zero.
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**Question 2: What property of air makes wind turbines work?**

- a) Air has weight.
  - b) Air has pressure and can move.
  - c) Air does not take up space.
  - d) Air is made of oxygen.
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**Question 3: Why is it harder to breathe at high altitudes?**

- a) The air contains more nitrogen.
  - b) The air has less oxygen and lower pressure.
  - c) The air is warmer.
  - d) The air contains more water vapor.
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**Question 4: Which of the following proves that air has weight?**

- a) A balloon filled with air feels heavier than an empty one.
  - b) Air takes up space in a container.
  - c) Air is invisible.
  - d) Air allows us to breathe.
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**Question 5: Which of these gases in the air helps plants make food?**

- a) Oxygen
  - b) Carbon dioxide
  - c) Helium
  - d) Nitrogen
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**Bonus Question:**

**What would happen if all the oxygen disappeared from the air?**

- a) Plants would stop growing.
- b) Humans and animals could not breathe and would not survive.
- c) The air would feel lighter.
- d) Rain would stop completely.