

## **Grade 4 Science Worksheet 2: Composition and Properties of Air (Difficulty Level: Intermediate)**

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

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

### **Question 1: Why is nitrogen important to plants?**

- a) It helps plants grow by being absorbed through their roots.
  - b) It keeps the air clean.
  - c) It provides oxygen to plants.
  - d) It forms part of clouds.
- 

### **Question 2: Which property of air allows it to be compressed into a small space?**

- a) Air is visible.
  - b) Air has weight.
  - c) Air is made of particles that are far apart.
  - d) Air does not take up space.
- 

### **Question 3: What happens to the oxygen levels in the air when a candle burns?**

- a) Oxygen levels increase.
  - b) Oxygen levels stay the same.
  - c) Oxygen levels decrease as the candle burns.
  - d) Oxygen is replaced by nitrogen.
- 

### **Question 4: Which gas in the air is most important for photosynthesis?**

- a) Oxygen
- b) Carbon dioxide

- c) Nitrogen
  - d) Argon
- 

**Question 5: What is a key property of air that makes it essential for life on Earth?**

- a) Air does not move.
  - b) Air contains gases that living things need to survive.
  - c) Air has a fixed weight.
  - d) Air is always warm.
- 

**Bonus Question:**

**What is the role of nitrogen in the atmosphere?**

- a) It supports breathing.
- b) It helps regulate the temperature of the Earth.
- c) It helps create proteins in plants.
- d) It absorbs sunlight.