

Grade 4 Science Worksheet 1: Composition and Properties of Air (Difficulty Level: Intermediate)

Name: _____

Date: _____

Question 1: What are the main components of air?

- a) Only oxygen and nitrogen
 - b) Nitrogen, oxygen, carbon dioxide, and water vapor
 - c) Only carbon dioxide and oxygen
 - d) Helium, nitrogen, and carbon dioxide
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Question 2: Which gas in the air is responsible for keeping us alive by helping us breathe?

- a) Carbon dioxide
 - b) Oxygen
 - c) Nitrogen
 - d) Water vapor
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Question 3: What role does water vapor play in the air?

- a) It makes the air lighter.
 - b) It helps form clouds and rain.
 - c) It absorbs oxygen.
 - d) It gives the air its weight.
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Question 4: How does the amount of carbon dioxide in the air affect plants?

- a) More carbon dioxide makes plants grow faster.
- b) Less carbon dioxide helps plants grow faster.

- c) Carbon dioxide is not important for plants.
 - d) Carbon dioxide is harmful to plants.
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Question 5: What happens to air pressure as you go higher in the atmosphere?

- a) It increases.
 - b) It decreases.
 - c) It stays the same.
 - d) It disappears completely.
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Bonus Question:

Which gas helps in the formation of clouds and rain?

- a) Oxygen
- b) Nitrogen
- c) Carbon dioxide
- d) Water vapor