

# Air Pressure Investigations Review

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## Understanding Our Atmosphere

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

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

Answer the following questions based on the lesson about air pressure.

1. What is air pressure?

- A. The weight of air molecules pressing down
- B. The temperature of the air
- C. The speed of the wind

2. Explain how air pressure changes when climbing a mountain. What effects might this have on our bodies?

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3. Air pressure is constant at all altitudes.

- True       False

4. Air pressure affects how we breathe and can cause our ears to \_\_\_ during altitude changes.

5. What happened to the balloon during the bottle pressure experiment?

- A. It expanded
- B. It shrank
- C. It stayed the same

6. Why is it important to understand air pressure in our daily lives? Provide two reasons.

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7. Humans and animals can adapt to different air pressures.

- True       False

8. God's intricate design of air systems shows His \_\_\_ in creating our atmosphere.

9. Which of the following best describes the effect of temperature on air pressure?

- A. Warmer air is denser
- B. Colder air rises
- C. Warmer air is less dense

10. What did Job 36:29 teach us about understanding natural phenomena like air pressure?

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Answer Key

1. The weight of air molecules pressing down 2. As you climb a mountain, air pressure decreases because there are fewer air molecules above you. This can cause your ears to pop and may make it harder to breathe. 3. False 4. pop 5. It expanded 6. Understanding air pressure helps us know how weather works and why we need to adjust our breathing when we are at high altitudes. 7. True 8. wisdom 9. Warmer air is less dense 10. It teaches us that some things, like the spreading of clouds, are complex and part of God's design, which we may not fully understand.