

# Weather Patterns and Air Masses

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## Understanding Air Mass Interactions

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

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

Answer the following questions based on the lesson about air masses and weather patterns.

1. What happens when warm and cold air masses meet?

- A. They create storms
- B. They stay separate
- C. They become one air mass

2. Cold fronts occur when cold air \_\_\_\_ under warm air.

3. What is an air mass?

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4. Match the type of front with its description.

Warm Front

Cold air pushes under warm air

Cold Front

Warm air moves over cold air

5. What do air masses create when they interact?

- A. Rain and storms
- B. Sunny weather
- C. Windy conditions

6. Job 37:16 talks about the \_\_\_\_ of the clouds and God's perfect knowledge.

7. Can you remember a time when the weather suddenly changed? Describe it.

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8. How does God demonstrate His design in weather patterns?

- A. By creating storms only
- B. Through the balance of air masses
- C. By making every day sunny

9. Air masses have consistent temperature and \_\_\_\_ characteristics.

10. Why do you think understanding air masses is important?

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### Answer Key

1. They create storms 2. pushes 3. An air mass is a large volume of air with similar temperature and humidity. 4. Warm air moves over cold air 5. Rain and storms 6. balancings 7. One time, it got very windy and then it rained suddenly. It was surprising! 8. Through the balance of air masses 9. humidity 10. It helps us predict the weather and understand God's creation better.