

## Chapter 15

Text Pages 444–459

## STUDY GUIDE

## ● Changing the Weather

Answer the questions below on the lines provided.

1. List several human activities that alter the weather. \_\_\_\_\_  
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\_\_\_\_\_
2. Why is the air over cities usually warmer than the air over rural areas? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. What are the two main conditions that some scientists hypothesize are needed for successful cloud seeding? \_\_\_\_\_  
\_\_\_\_\_
4. Why have many cloud seeding experiments failed? \_\_\_\_\_  
\_\_\_\_\_
5. What are two methods used for cloud seeding? \_\_\_\_\_  
\_\_\_\_\_
6. What is the potential danger in seeding clouds to reduce hurricane wind speeds? \_\_\_\_\_  
\_\_\_\_\_
7. At what size does a particle and its added ice crystals fall from a cloud as precipitation? \_\_\_\_\_  
\_\_\_\_\_
8. What are three examples of when cloud seeding experiments have been successful? \_\_\_\_\_  
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