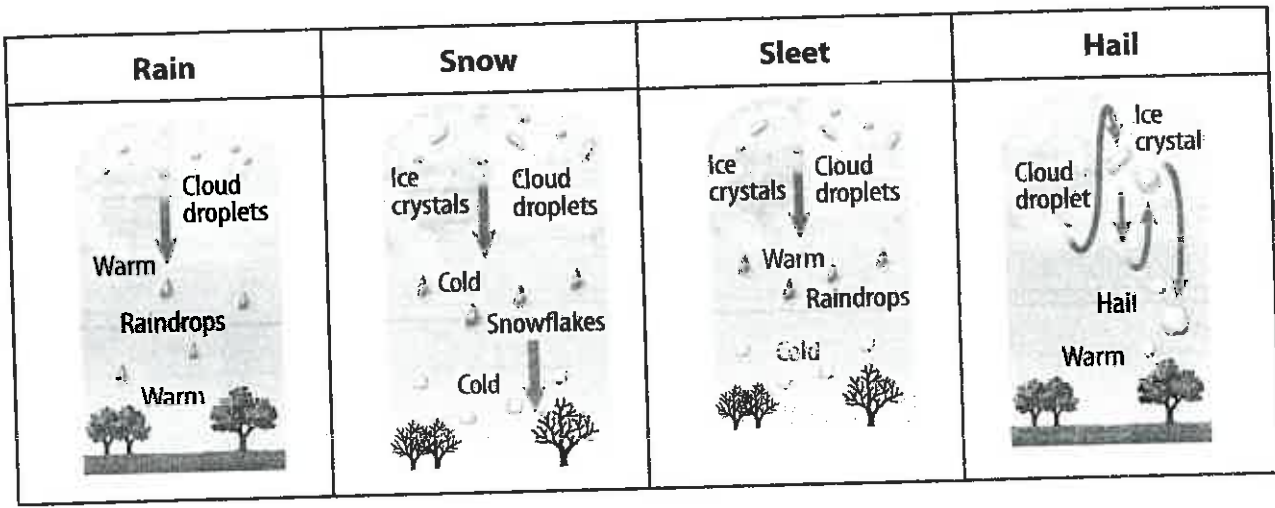


**Content Practice A** Chapter 13.1 Review **LESSON 1**

**Describing Weather**



**Directions:** Use the diagram to answer each question.

Question	Rain	Snow	Sleet	Hail
What form is the water in when it is in the clouds—liquid or solid?				
What is the air temperature near the clouds—warm or cold?				
What is the air temperature near Earth's surface—warm or cold?				
What is the form of precipitation that falls—liquid or solid?				
How are rain, snow, sleet, and hail part of the water cycle?				
What role does temperature play in the type of precipitation that develops?				

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**Key Concept Builder**

**LESSON 1**

***Describing Weather***

**Key Concept** What variables are used to describe weather?

**Directions:** Answer each question or respond to each statement in the space provided.

Variable	Definition	How is the variable measured?
Air temperature	1.	2.
Air pressure	3.	4.
Wind	5.	6.
Humidity	7.	8.
Relative humidity	9.	10.
Dew point	11.	12.
Clouds and fog	13.	14.
Precipitation	15.	16.

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**Key Concept Builder** 

**LESSON 1**

## ***Describing Weather***

**Key Concept** How is weather related to the water cycle?

**Directions:** *On the line before each statement, write T if the statement is true and F if the statement is false.*

- \_\_\_\_\_ 1. Precipitation, condensation, and evaporation are important to the water cycle.
- \_\_\_\_\_ 2. The water cycle is a natural process.
- \_\_\_\_\_ 3. In the water cycle, water is constantly added to the atmosphere, where it builds up over time.
- \_\_\_\_\_ 4. Most water enters the atmosphere through surface runoff.
- \_\_\_\_\_ 5. Water vapor warms as it rises in the atmosphere.
- \_\_\_\_\_ 6. Water vapor that evaporates eventually condenses.
- \_\_\_\_\_ 7. Clouds form from liquid water and ice.
- \_\_\_\_\_ 8. Evaporation occurs when water falls from clouds.
- \_\_\_\_\_ 9. Water enters the atmosphere when it condenses.
- \_\_\_\_\_ 10. Thermal energy causes water at the ocean's surface to evaporate.

**Lesson Quiz A****LESSON 1****Describing Weather****Multiple Choice**

**Directions:** On the line before each question, write the letter of the correct answer.

- \_\_\_\_\_ 1. Which variable is **NOT** weather related?  
 A. humidity  
 B. evaporation  
 C. wind direction
- \_\_\_\_\_ 2. Which instrument measures wind speed?  
 A. barometer  
 B. anemometer  
 C. thermometer
- \_\_\_\_\_ 3. A volume of air contains half the moisture that it can at a certain temperature. What is its relative humidity?  
 A. 25 percent  
 B. 50 percent  
 C. 75 percent
- \_\_\_\_\_ 4. Which water cycle processes are directly related to cloud formation?  
 A. melting and freezing  
 B. precipitation and evaporation  
 C. evaporation and condensation

**Matching**

**Directions:** On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.

- |  |              |
|--|--------------|
| _____ 5. solid crystals of precipitation                   | A. dew point |
| _____ 6. liquid precipitation                              | B. hail      |
| _____ 7. temperature when relative humidity is 100 percent | C. humidity  |
| _____ 8. forms as water freezes and melts within a cloud   | D. rain      |
| _____ 9. is greater in warm air than in cooler air         | E. sleet     |
| _____ 10. precipitation that starts in snow clouds         | F. snow      |