

Module Assessment, Part 1

STUDENT RESOURCE **A.1**
ASSESSMENT PART 1**Circle the best answer.**

- ❶ [Dew Frost] forms when water vapor condenses to a solid on a surface that is at or below the freezing point.
- ❷ [A barometer An anemometer] measures air pressure.

Fill in the blanks.

- ❸ The amount of water vapor in the air is called _____.
- ❹ The boundary between two air masses of different temperatures is called a _____.
- ❺ _____ is a stratus cloud that forms close to the ground.

Answer the questions.

- ❻ What happens to the dew point as the humidity in the air increases?

- ❼ What percentage of Earth's water supply is fresh? _____

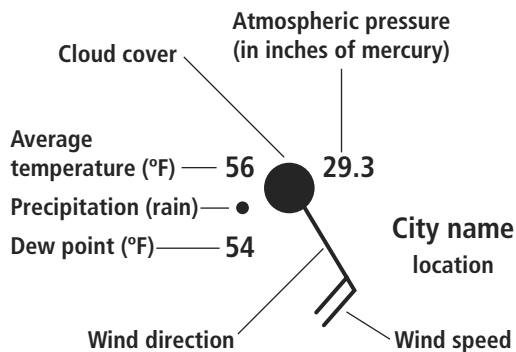
- ❽ What are the three main cloud types?

- ❾ What causes wind to blow?

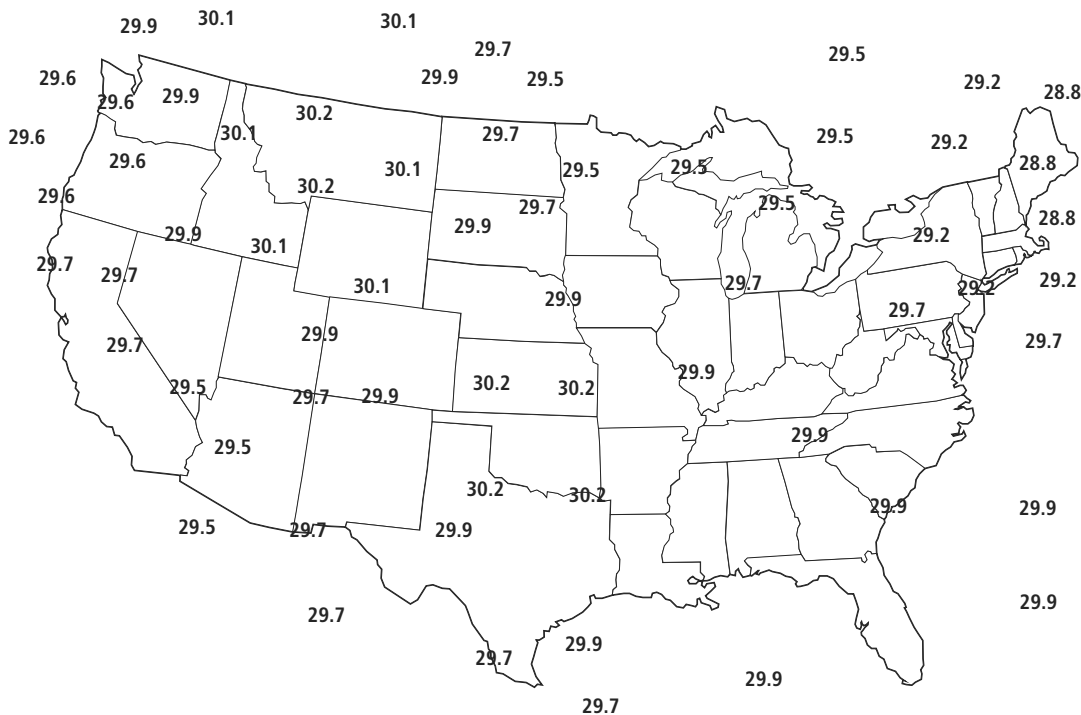
Module Assessment, Part 2



- 10** On the back of this sheet, draw station models for the last four days on your completed weather chart. Refer to your *Weather Symbols* Resource page and the sample station model shown.



- 11** Draw isobars on the map below to connect the air pressure readings that are equal. Label the areas of highest pressure (H) and lowest pressure (L).



- 12** What is the weather probably like in the Midwest?

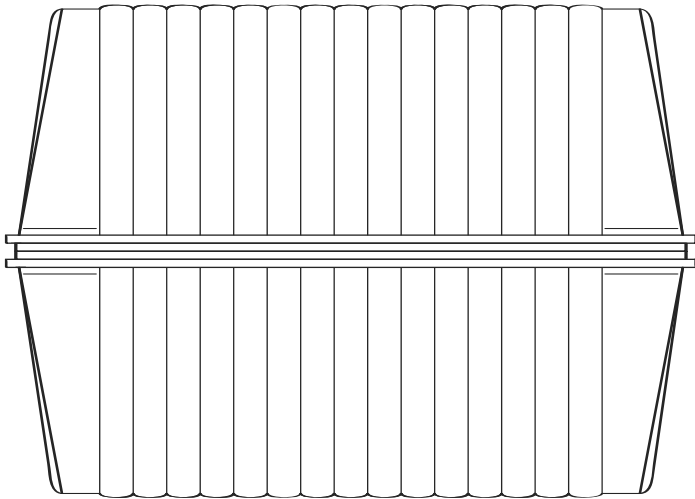
- 13** What is the weather probably like in the Northeast?

Module Assessment, Part 3

**Materials:**

- 2 trays
- 1 bag of ice cubes
- 1 jar filled with hot water

- 14** Use the materials to make it “rain” inside the plastic container. Draw a picture of your model in the space below. Add the labels *evaporation*, *condensation*, and *precipitation* to your drawing and include arrows to show how water is moving through each phase of the process.



- 15** What is the name of the process by which water moves in and out of the atmosphere? _____