

Chapter 3

Use With Section 1

ENRICHMENT**• What is weather?****Relating Clouds to Weather**

Clues to predicting the weather can include observations of cloud types.

Materials

camera **CAUTION:** *Do not aim the camera directly at the sun. Damage could occur to the eyes if direct sunlight is observed.*

roll of film

pencil and paper

Procedure

1. Take photographs of the sky during the day for seven days.
2. Record the weather conditions and time of day when each photograph is taken.
3. Watch or listen to a nightly weather report and briefly record what conditions existed that day.
4. Make a table of your data.
5. Use your textbook, cloud charts, and weather forecasts to identify the type or types of clouds in each photograph.
6. Look up the weather conditions that each cloud type in your photographs should have associated with it. Compare this information with your observations.

Analyze

1. List the types of clouds you observed and the weather conditions you noted that were associated with each type. Not all types may have been observed. _____

2. Write a description of each cloud type you observed. _____

3. Do you notice any pattern to the clouds observed and the weather experienced? Explain.

Conclude and Apply

4. What occurs when a stratus cloud forms close to the ground? _____
5. Did you observe fog? What were the temperature and moisture conditions?

