

Unit
4Handout
8*Lesson 6: Analyzing Weather Data***Purpose:**

Collect and analyze weather data, noticing any patterns involving changes in barometric pressure.

Guiding Questions:

How is weather data used to make predictions about weather?

Directions. Visit the link on 7bscience.com to access recent and predicted weather data. Analyze the data for trends and report them below.

1. Click on "Customize" under the Daily Weather Forecast. Be sure the following are checked: temperature, cloud cover, chance of precipitation, humidity, and pressure.
2. Describe the line of the temperature. Explain why it looks like this.

3. a. Describe the line for humidity.

b. How does the humidity line compare to the temperature line?

c. Why do you think the humidity compares to the temperature in this way?

4. a. Describe the pressure line in relation to the predicted precipitation. Why do you think this relationship exists?

b. Describe the cloud cover in relation to the pressure line. Why do you think this relationship exists?