

Weather Forecast

As a small group, write a forecast (hypothesis) for the next 24 hours of weather. Explain what happens to the following weather factors:

Temperature:

Humidity:

Pressure:

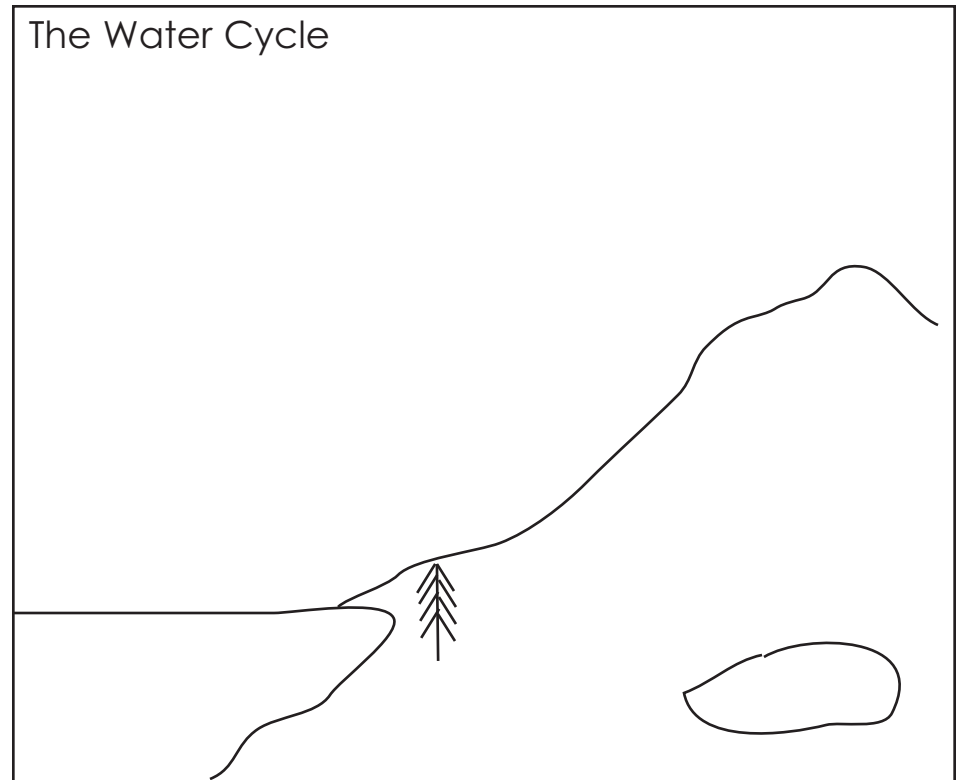
Wind:

Chance of Rain/Snow:

Clouds:

How would you dress for the weather you forecasted tomorrow?

What part of the water cycle (evaporation, condensation, precipitation, percolation, runoff) affects people in Colorado the most? Why?



Draw a picture of the water cycle and add the following labels: evaporation, transpiration, condensation, precipitation, percolation, and run-off.

Name: _____ Class: _____

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Weather Data

Draw the four types of clouds and write what the word means.

First write a hypothesis. Take a measurement and record it using the correct units. Write a sentence that explains what your measurement means.

	Hypothesis	Measurements	What does this mean? Example: The pressure has gone up which means the weather got better.
1. Air Temperature °F			
2. Humidity %			
3. Barometric Pressure <i>inches</i>			
4. Wind Direction (N, E, S, W)			
5. Wind Speed <i>mph</i>			
6. Cloud Type			
7. Precipitation (will it rain or snow?)			

cirrus

cumulus

stratus

nimbus

What three measurements are most important for telling us about **tomorrow's** the weather?

1. _____ 2. _____ 3. _____

Why are these most important?

Humidity Math

1. Dry Bulb Temperature _____

2. Wet Bulb Temperature _____

3. Difference (Subtraction) _____

Weather Definitions

Write definitions using full sentences for each of the vocabulary words below:

Weather: _____

Climate: _____

Water Cycle: _____

Temperature: _____

Humidity: _____

Barometric Pressure: _____

Precipitation: _____
