



Weather Predictor: Student Activity Sheet

Name: _____

Date: _____

Part 1: Exploration - Reading Barometric Pressure

1. Look at the table at the bottom of the predictor wheel to find a forecast number that would predict rain. What do you notice about the barometer readings? _____

2. Look at the table at the bottom of the predictor wheel to find a forecast number that would predict clear weather. What do you notice about the barometer readings? _____

Part 2: Exploration - Change in Barometric Pressure

1. Record your readings for season, direction of wind, barometric pressure, and whether the barometric pressure is rising, falling, or steady.

Weather Forecast	Season	Direction of Wind	Barometric Pressure	Rising, Falling, or Steady
#14 - Very unstable, slightly improving				

Part 3: Challenge

Weather Forecast	Season	Direction of Wind	Barometric Pressure	Rising, Falling, or Steady
The weather will get worse or rainy. Forecast # _____				
The weather will clear this afternoon. Forecast # _____				
It will get snowy this afternoon. Forecast # _____				
Changeable weather with rain. Forecast # _____				

Part 4: Weather Prediction

1. **In the morning before 9 am**, go to www.weather.com, place your zip code or city/state in the search button, and press enter. This will give you the local weather data. Local weather data is also available on your local tv station.
2. Record the direction of the wind, barometric pressure, and whether the barometric pressure is rising, falling, or steady. Look for arrows to indicate rising ↑, falling ↓, or steady (no arrow).

Direction of Wind	Barometric Pressure	Rising, Falling, or Steady

3. What season is it? _____
4. What is the forecast number and weather prediction? _____

5. Observe the local afternoon weather. Compare to the forecast. _____
