



Weather Predictor: Student Activity Sheet

Name: _____

Date: _____

Part 1: Exploration - Forecast Numbers

1. Record your forecast number and what the forecast is

Forecast Number	Weather Forecast

Part 2: Exploration - Reading Barometric Pressure

1. Look at the forecast numbers at the bottom of the predictor wheel to find a forecast number that would predict rain. Write down the barometric pressure. Repeat two more times.

Forecast Number			
Barometric Pressure			

What do you notice about the barometer readings? _____

2. Look at the forecast numbers at the bottom of the predictor wheel to find a forecast number that would be clear. Write down the barometric pressure. Repeat two more times.

Forecast Number			
Barometric Pressure			

What do you notice about the barometer readings? _____

Part 3: Exploration - Change in Barometric Pressure

1. Record the barometric pressure on the chart below. Record whether the pressure is rising, falling, or steady. Record the direction of the wind.

Weather Forecast	Forecast Number	Season	Barometric Pressure	Rising (↑), Falling (↓), or Steady (S)	Direction of the Wind
Very unstable, slightly improving	#14	Summer			

Part 4: What's Up With The Weather? Challenge

Weather Forecast	Forecast Number	Season	Barometric Pressure	Rising (↑), Falling (↓), or Steady (S)	Direction of the Wind
The weather will get worse or rainy.					
The weather will clear this afternoon.					
Changeable weather with rain.					
It will get snowy this afternoon.					

Part 5: Weather Prediction

- 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.
- 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

- What season is it? _____
- What is the forecast number and weather prediction? _____

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