

## Worksheet 2

# Mayday

## *Measuring the Elements*

*The shriek of the wind in the rigging had been with them now for the twenty hours.  
Their wind instrument had gone completely off the scale.*

There are a variety of instruments to help measure elements of the weather.

**Task 1:** Complete the table below by researching each different type of weather measuring instrument.

Name of Instrument	What does it measure?	How does it work?
Anemometer		
Barometer		
Hygrometer		
Oktas		
Rain Gauge		
Thermometer		
Weather Vane		
Sling Psychrometer		
Weather Balloon		

**Extension Activities:**

- Research the history of one of the weather measuring instruments from the table above. Present your research as a slide show presentation or as a poster.
- Create an explanation text about how one of the measuring instruments works. Use visual media tools to present your explanation.
- Study the empirical measure of wind speed – the Beaufort scale. Explain how it relates to natural disaster scales such as the Saffir-Simpson scale and the Fujita tornado scale.
- Research instruments used to measure natural disasters (e.g. seismograph).
- Locate a procedural text in a non-fiction book or via the Internet about how to make a model of an anemometer. Create the model and present an oral presentation about how it works to an appropriate audience.