



### **The Water Cycle**

- 4) An estimated 97% of our water is located where? How does this body of water help regulate earth's temperature?
- 5) After reading about the water cycle and using internet resources (Google search) to help you draw a detailed label depiction of the hydrologic cycle.

### **El Nino: Warming up the Waters**

- 6) Describe what El Nino is.
- 7) Explain how winds and ocean currents change the weather during El Nino.
- 8) Describe what La Nina is and how it is different than El Nino.

### **Powerful storms**

- 9) Explain how thunderstorms are created. How do Thunderstorms sometimes form tornados?
- 10) How do Hurricanes loose power?
- 11) Click on the picture in the article with the weathervane to practice predicting tornados. See if you can predict the weather as well as a meteorologist.

### **Ice and Snow**

- 12) Below create a recipe for the creation of ice and snow using the information on the page. You need to have the ingredients, the procedure to make it and a description of the three final results you could have: fluffy snow, sleet and glaciers.
  
  
  
  
  
  
  
  
  
  
- 13) Explain how the “Wobbling top” Theory by Milankovitch contradicts that the Global Warming Theory.

### **Forecasting**

- 14) Read the article about Forecasting click on the picture in the article with the weathervane to practice calculating wind speeds. Write three of your calculations below and what the results ended up being.
  
  
  
  
  
  
  
  
  
  
- 15) At the end of the page forecasting click on “A Meteorologist’s tool kit” read this page and summarize the importance of two tools a meteorologist uses below.