1. Wind

* Which page in the ESRT shows wind movement on Earth?
* Winds curve to the right is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The coriolis effect and Foucault pendulum are evidence for earth’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* How do winds blow: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pressure to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pressure
* How are winds named?
* Describe and draw how air moves around a low.
* Describe and draw how air moves around a high.

2. Weather

* The closer the air temperature is to the dewpoint, the greater the chance of precipitation
* How does a cloud form?
* In which direction does weather move in the United States?
* Determine the dewpoint and relative humidity. Dry-bulb: 16°C, Wet-bulb: 14°C
* Fill in the table regarding information about the four types of weather fronts.

|  |  |
| --- | --- |
| Weather Front | Description |
|  |  |
|  |  |
|  |  |
|  |  |

3. Station Models

Construct a station model with the following information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Air Temp | Dew Point | Cloud Coverage | Pressure | Present Weather | Wind Speed and Direction |
| 50 | 45 | 75% | 994.2 | Drizzle | 45knots and northwest |

4. Climate Factors

* Compare/ contrast the climate of an inland location to a location that is near water
* What are the three greenhouse gases?