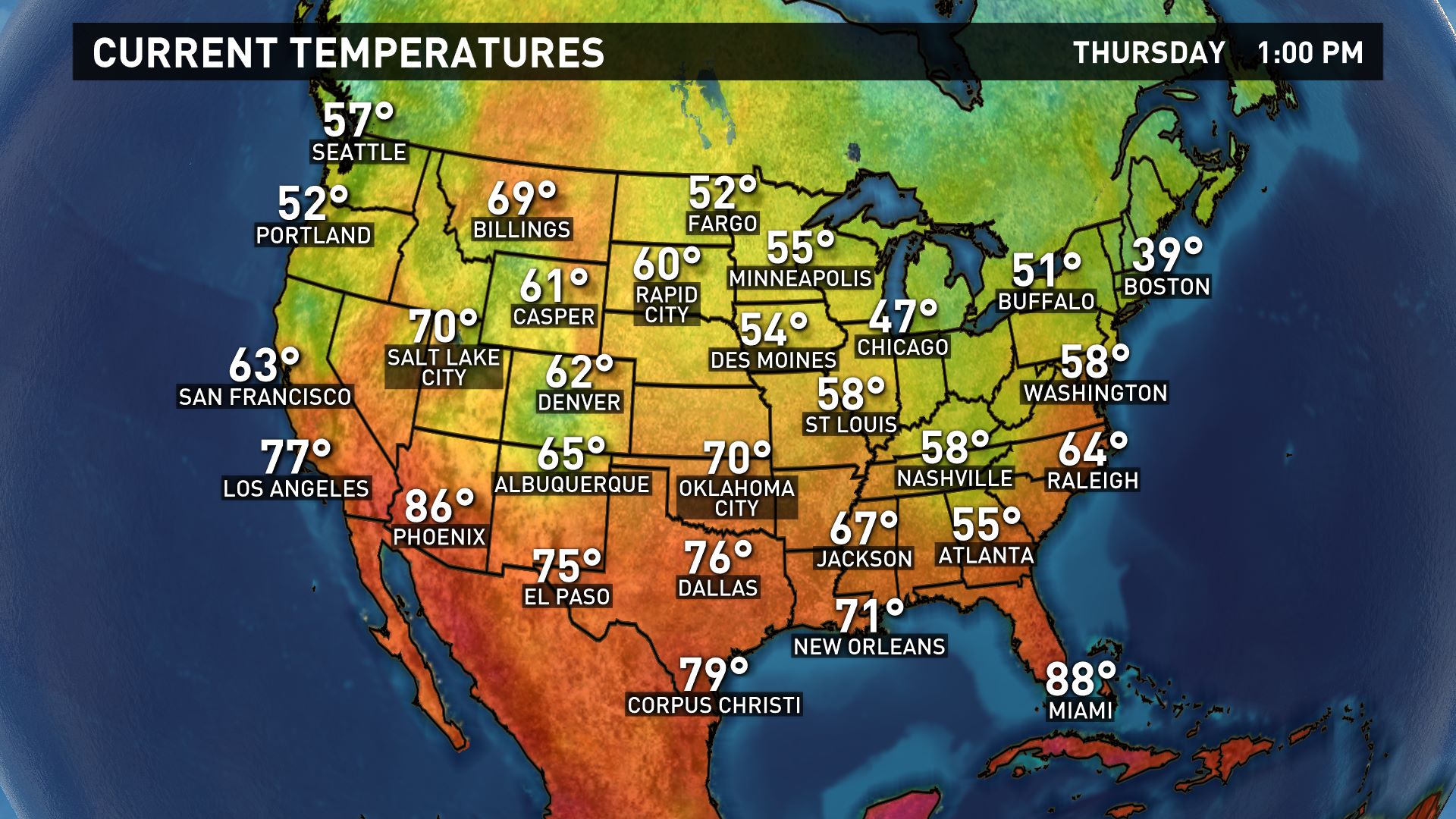
**Goal:** The goal of the current activity is to have students read data from a map of the U.S., create a frequency table, answer questions and create a frequency histrogram.

**Materials:** This worksheet. Optional: colored pencils or crayons for the histogram.

**Directions:** Have students break up into pairs and handout the worksheet. Have them first create a frequency distribution table. After doing this, have students answer the following questions and create a frequency histogram.

The map below shows the current temperatures of the U.S. on April 6th, 2017.



Source: <http://www.12news.com/weather/current-us-temperatures>

1. Create a frequency distribution table of the current map above starting with the class 39-48

|  |  |  |
| --- | --- | --- |
| Temperatures | Tally | Frequency |
| 39-48 | For students to use to help | 2 |
| 49-58 | tally their numbers | 10 |
| 59-68 |  | 7 |
| 69-78 |  | 7 |
| 79-88 |  | 3 |

1. How many cities are on the map? **29**
2. Which group of temperatures had the highest frequency? **49-58**
3. Which group of temperatures had the lowest frequency? **39-48**
4. Which city had the highest temperature? **Miami**
5. Which city had the lowest temperature? **Boston**
6. A histogram is a graph that helps organize and display patterns in data.

Create a histogram from the frequency distribution table you created.