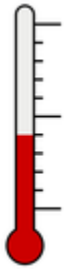


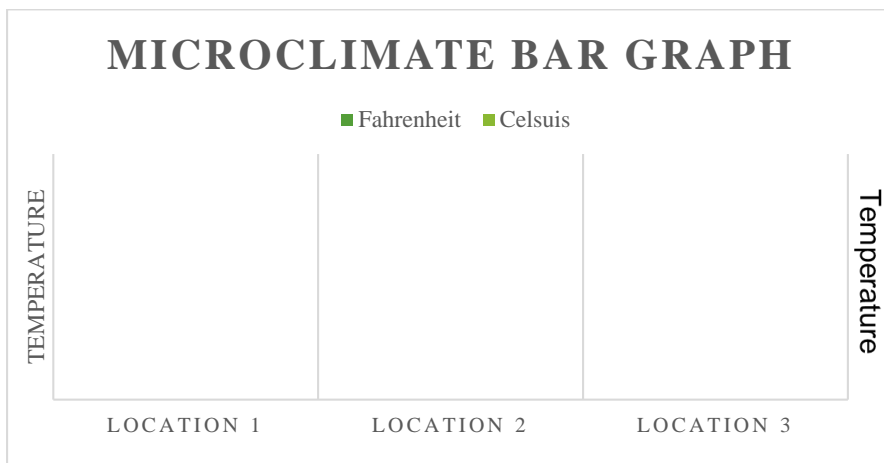
Worksheets



Use these worksheets to fill in your data as you complete the project below.

Fill in the following chart and use that data to make a bar graph.

Location	Temperature in degrees Fahrenheit	Temperature in degrees Celsius
Location 1		
Location 2		
Location 3		



1. What instrument did you use to measure temperature?
2. What is temperature a measurement of?
3. Is temperature the same everywhere, all the time?



Did you know?

“A microclimate is the climate of a small area that is different from the area around it. It may be warmer or colder, wetter or drier, or more or less prone to frosts.

Microclimates may be quite small - a protected courtyard next to a building, for example, that is warmer than an exposed field nearby. Or a microclimate may be extensive - a band extending several miles inland from a large body of water that moderates temperatures.”

Source:

<http://www.gardening.cornell.edu/weather/microcli.html>

4. Why might you want to change the microclimate of a particular area?

5. What could we do to change the microclimate of a particular area?



Outdoor Tent/Fort

Brainstorm a list of materials you would need to make an outdoor tent or fort to protect you from the sun.

Materials for tent/fort

Write a list of step by step directions on how you are going to go about making your tent/fort.

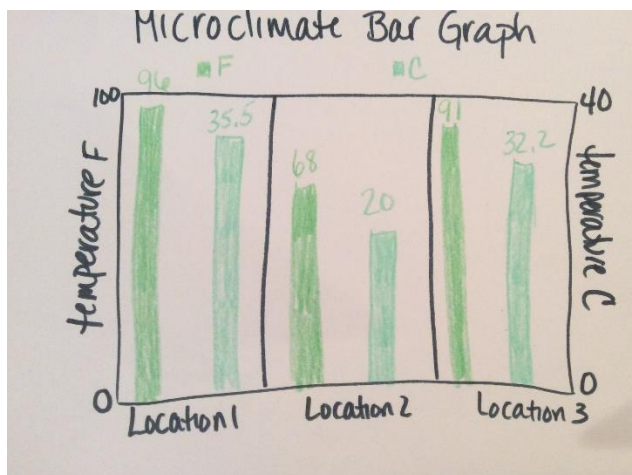
Take pictures of your process. Record any problems you encounter. Record how you went about fixing those problems.

Was your final product a success? How do you know?

Worksheet Answer Key

Fill in the following chart and use that data to make a bar graph.

Location	Temperature in degrees Fahrenheit	Temperature in degrees Celsius
Location 1- our garden in the sun	96	35.5
Location 2- the beach, a few inches below the sand	68	20
Location 3- grass on the corner in the sun	91	32.2



1. What instrument did you use to measure temperature?

(thermometer)

2. What is temperature a measurement of?

(heat)

3. Is temperature the same everywhere, all the time?

(no)

4. Why might you want to change the microclimate of a particular area?

(Maybe sitting in the sun would be too hot and you would want to decrease the temperature, or maybe it is too cold for you sitting on the beach and you would want to increase the temperature.)

5. What could we do to change the microclimate of a particular area?

(You could put an umbrella over your head to block out some of the heat from the sun. You could put up an umbrella or tent on the beach to block a chilly breeze or wind to keep you warmer.)