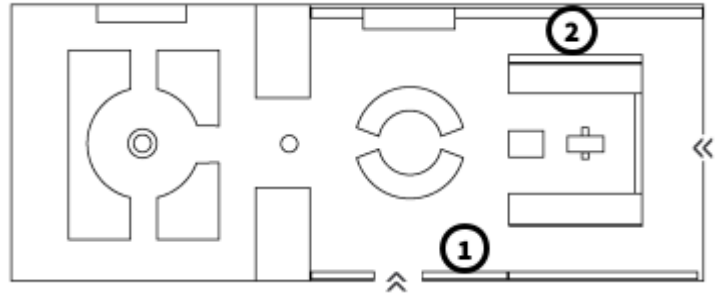


Student Worksheet

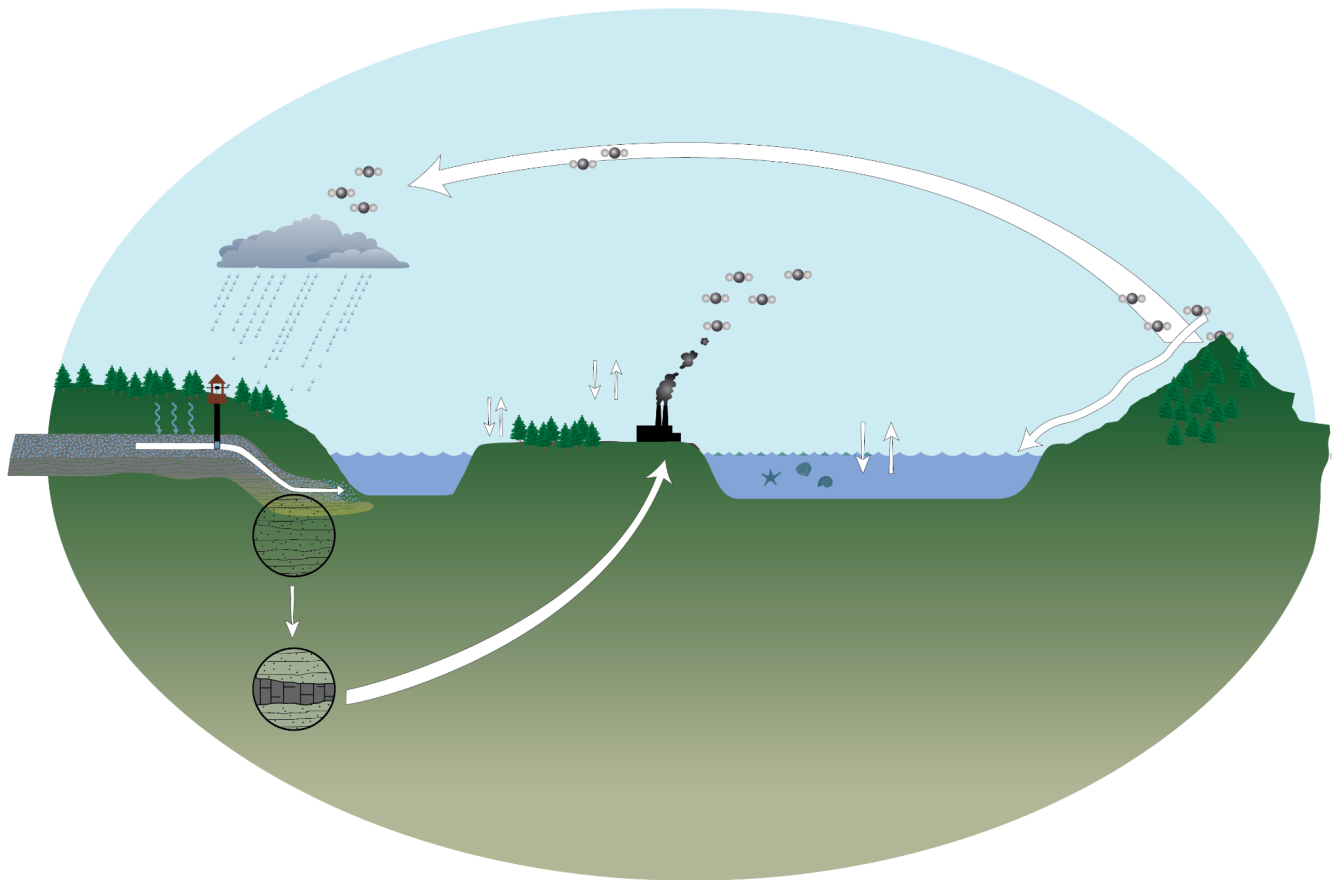
Name: _____

Visit exhibits in the hall to learn about the factors and complex interactions that influence global and local climate.



1. Water Cycle & Carbon Cycle

Observe “The Water Cycle” and “The Carbon Cycle” diagrams on the wall to see how water and carbon move through the air, water, and ground. **Label** the arrows with information from the carbon cycle on the wall. Then complete the diagram by drawing on the water cycle.



Examine your diagram. What overlaps do you notice between the water cycle and the carbon cycle?
Note them in the diagram or write them below.

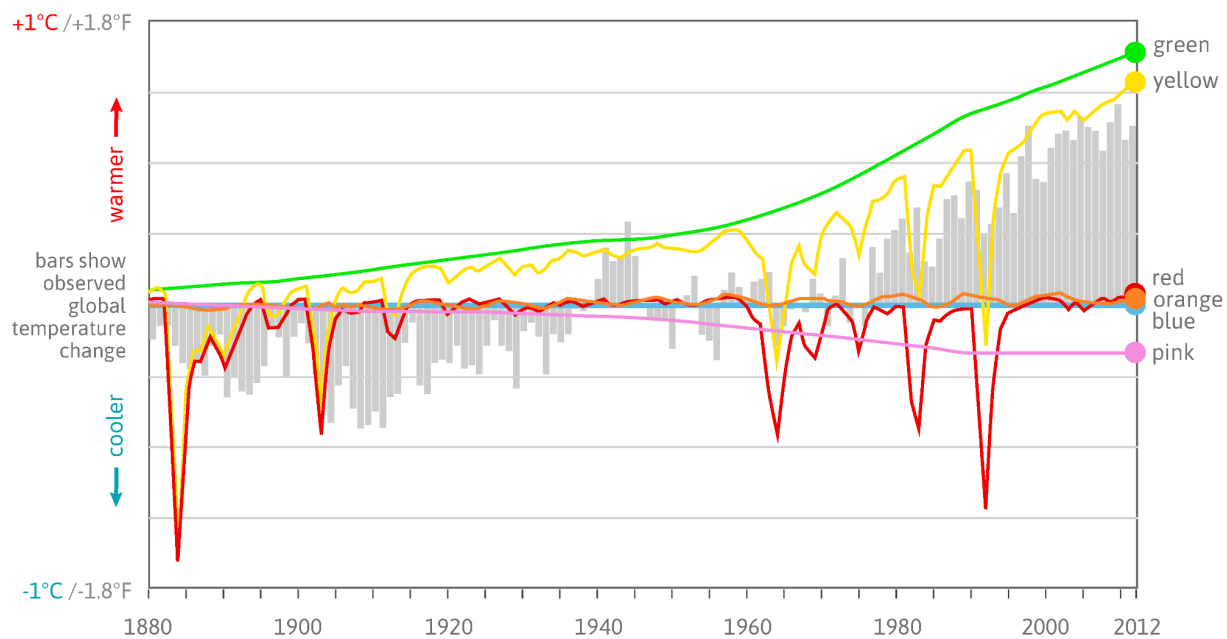
2. Climate & Climate Change Interactive Wall

RIGHT SECTION: “Ocean and Air Currents”

Move the sliders to explore the two “Ocean and Air Currents” digital globes. What patterns do you notice between the cooler and warmer areas of the ocean, and the cooler and warmer areas of the atmosphere? Why do you think that is?

MIDDLE SECTION: “What’s Causing Climate Change?”

Press the buttons to explore the “What’s Causing Climate Change?” model. **Label** the 5 lines below with what each color shows. What warming or cooling effects stand out to you? **Note** it here.



LEFT SECTION: “Before and After” and “Climate Change in New York”

Move a slider to see “Before and After” images of the impact of climate change. What impacts have affected New York City? Then **turn a dial** to see how the City is planning for the future. **Note** your favorite mitigation strategy.

Talk about it: How are wildfires connected to the carbon and water cycles?