Climate Change

Investigating Climate change

Species compositions

Chemical analyses of ice

CO2 is increasing and temp follows

Temps rise, ocean temps rise, release gases and repeat

Consequences

Melting of polar ice caps

Melting of glaciers

Melting of permafrost

Sea levels rise

Heat waves

Cold spells

Change in precipitation patterns

Increase in storm intensity

Shirt in ocean currents

Migrating organisms

Relocating humans

Prevention

Stop burning and creating CO2

Kyoto Protocol- UN nations met

Carbon Sequestration

Natural Phenomenon

Volcanoes

El Nino- surface currents reverse, pushing warm water toward the eastern pacific; upwelling repressed-usually warm water across Equatorial Pacific

La Nina- enhanced trade winds, causing upwelling of cold water in the Eastern Pacific

Sunspot- cooler part of the sun, cooler year

Earth’s movements=Milankovitch cycles, causes of ice ages