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