Abiotic Studies

Abiotic factors are non-living chemical and physical parts of the environment that affect living organisms and the functioning of ecosystems. In biology and ecology, abiotic components or abiotic factors are non-living chemical and physical parts of the environment that affect living organisms and the functioning of ecosystems. Abiotic components include physical conditions and non-living resources that affect living organisms in terms of growth, maintenance, and reproduction. Resources are distinguished as substances or objects in the environment required by one organism and consumed or otherwise made unavailable for use by other organisms. During the Abiotic Studies Module, students will learn about all the non-living components that are necessary for life on Earth.

Abiotic Studies	Description
A vs B	Difference between abiotic and biotic factors
Atmosphere Moods	Introduction to weather and climate
Atomic Connections	Introduction to chemistry with experiments.
Beneath our Feet	Introduction to Geology, Rocks, Minerals and Geodes.
Beyond Our Eyes	Introduction to Astronomy, Solar System and Earth Space Science
Circuit Attraction	Study of electricity and magnetism
Divide and Conquer	Study of Cell and Cell Division
Engineer Molecules	Study of macromolecules including carbohydrates, lipids, protein and nuclei acids
Flow Forces	Introduction to movement and simple machines
Getting Dirty	Study of types of soil and characteristics
Go with the flow!	Introduction to ocean currents and tides.
Land Fingerprints	Introduction to topography
Life Blocks	Introduction to cell biology
Ocean Commotion	Introduction to oceanography
Reckoning Sciences	Measuring Matter
Salty Life	Introduction to Salinity
Spheres of Life	Learning about the spheres of Earth
Water Everywhere	Introduction to hydrology and water quality
What's the Matter?	Introduction to the concept of matter and state of matter
Wind, Weight & Weather	Introduction to anemometer and barometers