

## Unit 2 Study Guide

*IS3 2019-2020*

This is an outline of concepts you will be tested on. Go beyond MEMORIZING facts and definitions. You should be able to APPLY the concepts.

Concepts	Activities to review OCA- out of class activity
Conditions for Life	Computer simulation: Habitable Worlds Modeling: How do we determine if a planet is habitable?
Energy	Energy Transformations Reading Class Discussion: Parker Diagrams Concept map: How does energy flow? Energy Transformations Project
Wind Conservation of Energy	Class discussion: How does sun create wind? Class discussion: What is electricity? What is a generator? ChemMatters reading and questions: A Solar Future- Photovoltaic cells Concept map: Semi conductors
Wind Turbines Experimental Design: Data versus evidence Scientific Argument: Evidence versus justification	ADI Lab Wind Turbines Lab Proposal Scientific Argumentation Session
Quiz 1	