

Global Wind Systems

General Circulation of the Atmosphere

Although the global scale circulation of the earth's atmosphere is influenced by several factors, the most fundamental process driving general circulation is uneven heating of the earth's surface by solar radiation. Although the energy received by the earth as a whole is balanced by energy radiated back into space, this is not true for every specific location. Some locations receive more heat energy than they emit, some receive less. The tropics, for instance, receive much more heat from the sun than is radiated back into space. The Polar Regions receive much less energy than they emit. Global circulation patterns are a way of redistributing energy from areas of the earth with an energy surfeit to areas with an energy deficit, through the atmosphere. The oceans have very similar patterns

PHOTOVOLTAIC CELL SYSTEM DATA WORKSHEET" Discuss & Explain the experiment to the instructor.	Completed Worksheet: _____ Completed Worksheet: _____ T.I.: _____	LESSON 4--LESSON 4 "SOLAR ENERGY" "LESSON 4: ACTIVE SOLAR SYSTEM-Discuss & Explain the experiment to the instructor."
Take notes from Video clips.	Env.Impacts Paper: _____(5)	Environmental Impacts —Write a paper describing the environmental impacts of solar energy.
Fill out the "Wind Energy Worksheet".	Worksheet: _____	LESSON 5: WIND ENERGY —Fill out the "Wind Energy Worksheet".
Discuss what type of electricity would be best for our school. Minim.100 words. (6 th grade 75 words)	Paper: _____	LESSON 6- Write a paper describing the environmental impacts of wind energy.
Discuss ways to use a Biomass:		LESSON 7 What are the three types of biomass? How can biomass be used to produce energy?
1. _____, 2. _____, 3. _____	Answers: _____(10)	1. _____, 2. _____, 3. _____ How can garbage be used to produce energy?
Write your report in your Journal.	C.G. Journal: _____(10) Study Guide: _____(5)	Career Guidance Report —Write a report on a career in the solar energy industry. Study Guide Turned In