

's Ecology Flip-Book Rubric

Page Title	Contents	Points Possible	Your Score	Initials
Ecology Title Page	Definition of ecology and the main idea	5		
Organisms in a Habitat Page	Definition of heterotroph/autotroph, savannah diagram w/ key and statement @ bottom	10		
Energy Transfer Page	Forrest Food Web, with arrows pointed correctly	10		
Energy Pyramid Page	Pyramid with organisms and their levels labeled w/ statement @ bottom	10		
Trophic Cascade	Definition of trophic cascade, demonstrate a top-down & bottom-up effect on a given food web	10		
Water Cycle Worksheet (not included in flip-book)	Original picture of labeled cycle w/ descriptions @ each of the steps	5		
Carbon Cycle Worksheet (not included in flip-book)	Carbon Cycle Web quest with answers	5		
Nitrogen Cycle Worksheet (not included in flip-book)	Nitrogen Cycle Web quest with answers	5		
Nitrogen OR Carbon Cycle Page	Original picture of labeled cycle w/ descriptions @ each of the 4-6 steps	10		
Environmental Factors Page	Definition of biotic/abiotic factors, picture w/ circles & key and relationship between population thru ecosystems	10		
Complex Relationships in an Ecosystem Page	Define Symbiosis and properly completed relationships table	10		
Predator-Prey Relationships Worksheet	Analyzing graphs and limiting factors	5		
Predator-Prey Relationship Page	Define limiting factor/carrying capacity, proper graph w/ carrying capacity, exponential growth, limiting factors identified and prediction @ bottom	10		
Human Population Worksheet	Human Population Web Quest	5		
Human Population Page	Date, time & population, analyze country graphs, completed data table and prediction @ bottom	10		
Invasive Species page	Wanted Poster of an invasive species w/ names (aka), picture, characteristics, last seen, hideouts, crimes & reward	10		
Natural Disasters Page	Completed table identifying natural or human caused disasters and their effects	10		
Greenhouse Effect Page	Greenhouse effect summary, table of Greenhouse gases & what creates it and the picture/diagram of earth w/key	10		
Acid Rain Page	Definition of acid rain, labeled pH scales, completed diagramed environment w/key and a tree map @ bottom	10		
Renewable & Non-Renewable Resources page	Define renewable/nonrenewable resources, list w/pictures of 3 nonrenewable resources & paragraph of problems and list of 3 renewable resources w/ explanation of each & paragraph of value	10		
Renewable Resource in Arizona Page	Billboard advertisement for a valued Renewable resource in AZ w/ name, why it's valuable, individual benefits, state benefits & picture	10		
Sub-Total		180		
Quality of Pages	Each page is completed to your fullest ability. It is truly top-notch work ☺	2		
TOTAL (you MUST have a completed flip-book in order to receive a grade)		200		

