Name		 -3
135 – 438)		

Energy Transfer In The Atmosphere (p. 435 – 438)

1. What provides most of Earth's energy?

I	Energy	From	The	Sun

	- The Sun (winds, ocean currents, plants)
	2. What three things can happen to energy received by Earth from the Sun?
2.435	
	1. Reflected back into space by clouds 2. Absorbed by atmosphere.
	3. Absorbed by land
II. H	
	1. Define the term heat.
	Heat - energy that flows from an object with a higher temperature to an object with a lower temperature
	2. In what three ways is heat energy transferred through the atmosphere?
	1. Radiation 2. Conduction 3. Convection
	3. Define the term radiation.
J. 436	Radiation-energy that is transferred in the form of rays or waves
S PLANTAGE OF THE PARTY OF THE	ef rays or waves
	4. List three examples of heat transfer due to radiation.
	1. <u>Campfire</u> 2. <u>Sun</u> 3. <u>Hent Register</u>
	5. Define the term conduction.
	Conduction - transfer of energy that occurs when molecules bump into one another (or from within)
	6. Molecules in warmer objects move slower than molecules in colder objects.
	<u>Circle One</u> : True False
	7. List three examples of heat transfer due to conduction.
	1. Hot Sand 2. Rubbing Hands 3. Touching A Pa

	Name		
	8. Define the term convection.		
нот ОС	(hot rises; cold sinks)		
1	9. List three examples of heat transfer due to convection.		
2	ont 1. Fronts 2. Ocean Currents 3. Apartments		
	10. Cooler, denser air sinks, while warmer, less dense air rises.		
	Circle One: True False		
III. To	emperature (Not in the book.)		
	 The average amount of energy in motion of each particle of a substance is called the person. Temperature is a measure of how hot or cold a substance is. 		
	<u>Circle One</u> : False		
	3. Air temperature is usually measured with a(n) the moneter.		
	4. How does a thermometer work?		
Alcohol Bulb DEMO	- When the temperature increases the liquid in the bulb expands and rises in the column. (When temp. V; liquid contracts)		
IV. The Water Cycle			
	1. Define the term hydrosphere.		
	Hydrosphere - describes all the waters of Earth		
	(Brisphere = living; Geosphere = land)		
(p.437)	2. Match each term with the correct definition.		
	1. A - Evaporation A. Phase change from a liquid to a gas		
	2 Condensation B. Any form of water that falls from clouds		
	3. B Precipitation C. Phase change from a gas to a liquid		
	Sublimation - phase change (solid > 5 as)		
	Deposition - phase change (gas -) solid)		