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Review of Earth's Systems (1st semester) Science 9		Name					
		Name Hour					
1.	What is the difference between an open and a closed system?						
2.	Is the Earth and open or closed system?	•					
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3.	Give all the evidence that you can come up with to defe	end you answer for question # 2.					
		e ·					
4.	What are the 4 different Spheres that Earth consists of	Give a simple implantation of each.					
5.	Do interaction occur between the above 4 spheres (syst	rems)?					

6. Give at least 2 examples of interactions between different spheres (systems), and explain them.

7. Think back to how we talked about a change in one system can cause a chain of events throughout the other systems. Complete the following chart below describing how events can cause a change from system to system.

	Atmosphere	Lithosphere (land)	Hydrosphere (water)	Biosphere (living)
Tornado	Changing weather system causes tornado	Land is ripped up, habitats can be destroyed, pollution can be distributed, and destruction to	Floods can occur, pollutants can be released into bodies of water	Habitat destruction for animal, food resources can be depleted.
	Gasses can be released into the air possibly GHG's.	industrial plants can release pollutants into land, water, and air.		
Volcano Eruption				-
Greenhouse gasses are let into the atmosphere.				
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8.]	Does energy	get transferred	from one	system to	another?
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11. Draw a picture to correspond with your explanation in question # 10.

^{9.} If so, where does Earth Energy originate? (There are multiple answers for this)

^{10.} Explain the transfer of Energy that starts from the sun and moves through the spheres to us humans?