

Earth System Spheres and Interactions

Geology

Mr. Traeger

Name: _____ Period: _____ Date: _____

Part 1: Earth System Spheres

1. Name 10 examples from Mr. Traeger's Summer Vacation slide show that show a relationship to a sphere. You should do 2 examples for each sphere.

Sphere	What does this sphere have to do with?	Give 2 examples of each sphere from Mr. Traeger's slide show
Geosphere		
Hydrosphere		
Biosphere		
Atmosphere		
Exosphere		

Part 2: Earth System Interactions

1. Give examples below of 10 *interactions* between spheres that you noticed from Mr. Traeger's slide show. Be SPECIFIC! Remember that an interaction must have an action verb. i.e.) Humans (biosphere) use oxygen (atmosphere) for cellular respiration and then expel carbon dioxide back to the atmosphere.

Sphere 1	Sphere 2	Interaction between these spheres

Part 3: Short Essay

John Muir, a naturalist who lived from 1838 to 1914, wrote the following. **"When we try to pick out anything by itself, we find it hitched to everything else in the Universe."** Explain this quote in a short essay by using examples from the slide show. Allude to how humans fit into this quote? How are we hitched to the Universe? Write out on separate paper!