

Name: _____ Date _____ Period _____

EARTH SYSTEM INTERACTIONS

Five major parts of Earth work together as a complex system. On a global scale, each part can be thought of as a sphere, roughly the same size and shape as the planet. **The five main parts are called the geosphere, hydrosphere, atmosphere, exosphere, and biosphere.**

Purpose – to identify the five main Earth systems and how they interact with each other

Activity 1 – Earth Systems

Directions – Use your Chromebook to research what each Earth system means and provide 3 examples for each.

	What it means...	Examples
Geo-sphere		
Hydro-sphere		
Atmo-sphere		
Exo-sphere		
Bio-sphere		

Analysis Questions

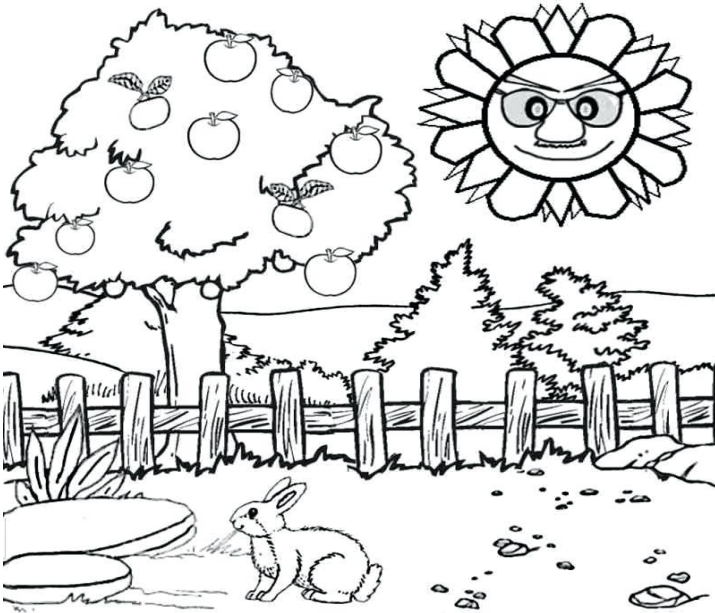
1. Do you think **clouds** should be classified as part of the **atmosphere**, or part of the **hydrosphere**? Explain why.
2. Do you think the Sun should be part of the **atmosphere** of the **exosphere**? Explain why
3. Do you think a hammer head shark should be part of the **hydrosphere** or the **biosphere**? Explain why.
4. Do you think Mt. Vesuvius should be part of the atmosphere or the geosphere? Explain why.

Activity 2 – A Coloring Interaction

Directions: In the pictures below identify where the main Earth systems are located by assigning a color to represent each of the systems. Use the key below to assign the color. Then describe how the systems interact with each other

Key

Geosphere ☐ Hydrosphere ☐ Atmosphere ☐ Exosphere ☐ Biosphere ☐



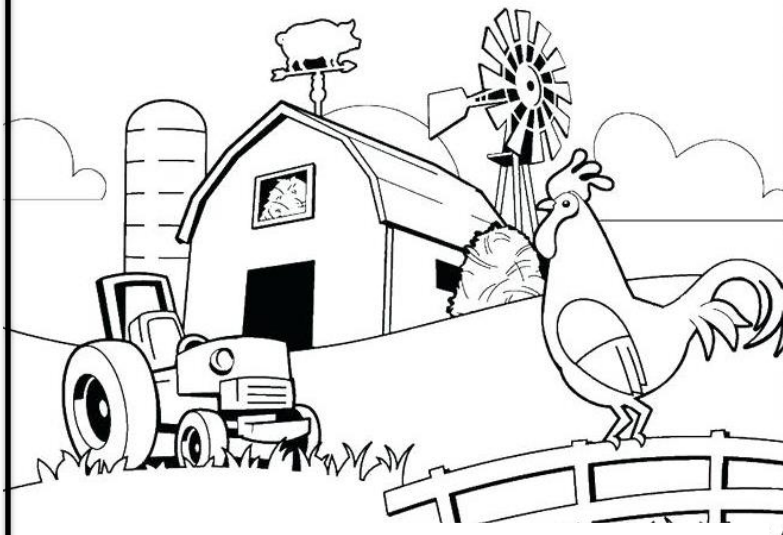
2. How do the systems interact?



1. How do the systems interact?



3. How do the systems interact?



4. How do the systems interact?