

Name: \_\_\_\_\_

Hour: \_\_\_\_\_

Earth and Space Science  
Note Catcher

**Chapter 1.1**  
**What is Earth Science??**

**Overview of Earth Science**

- Earth \_\_\_\_\_ is the \_\_\_\_\_ for the \_\_\_\_\_ of sciences that \_\_\_\_\_ with \_\_\_\_\_ and its neighbors in \_\_\_\_\_.
- It \_\_\_\_\_ many \_\_\_\_\_-division \_\_\_\_\_ as
  - \_\_\_\_\_-means “study of the \_\_\_\_\_”
  - \_\_\_\_\_-the study of the \_\_\_\_\_ and the \_\_\_\_\_ that produce \_\_\_\_\_ and climate.
  - Astronomy-the study \_\_\_\_\_

**Formation of Earth**

- \_\_\_\_\_ Hypothesis
  - The \_\_\_\_\_ was composed mostly of \_\_\_\_\_ and \_\_\_\_\_.
  - 5 Billion years ago, the \_\_\_\_\_
  - It \_\_\_\_\_ a flat, \_\_\_\_\_ shape with the \_\_\_\_\_-sun (pre-sun) at the \_\_\_\_\_.
- Inner planets begin to \_\_\_\_\_
- Larger \_\_\_\_\_ planets began \_\_\_\_\_ from \_\_\_\_\_ with \_\_\_\_\_ percentage of \_\_\_\_\_ and gases.

**Layers Form on Earth**

- As Earth \_\_\_\_\_, the \_\_\_\_\_ of radioactive \_\_\_\_\_ and \_\_\_\_\_ from high-\_\_\_\_\_ impacts caused the \_\_\_\_\_ to \_\_\_\_\_.
- Lighter rocky components floated \_\_\_\_\_
- Gaseous \_\_\_\_\_ escaped from Earth’s \_\_\_\_\_ to produce the \_\_\_\_\_.

## Chapter 1.2 A View of Earth

### Earth's Major Spheres

- ❖ \_\_\_\_\_ -all of the water on Earth.
  - \_\_\_\_\_ is the most \_\_\_\_\_ feature of the \_\_\_\_\_.
    - It is nearly \_\_\_\_\_
    - Holds about \_\_\_\_\_
  - Also includes \_\_\_\_\_ water found in \_\_\_\_\_, lakes, and \_\_\_\_\_, as well as that found \_\_\_\_\_.
  - What is the study of the ocean?
  - \_\_\_\_\_
- ❖ Atmosphere- a life-sustaining, \_\_\_\_\_, gaseous \_\_\_\_\_ that surrounds \_\_\_\_\_.
  - It provides \_\_\_\_\_
  - It protects us from the \_\_\_\_\_
  - \_\_\_\_\_ is produced from \_\_\_\_\_ that \_\_\_\_\_ through it.
- ❖ \_\_\_\_\_ -All life on Earth
  - Concentrated near the \_\_\_\_\_ in a zone that extends from the ocean \_\_\_\_\_ upward to the \_\_\_\_\_.
- ❖ Geosphere-
  - Based on compositional \_\_\_\_\_, it is made of the \_\_\_\_\_, mantle, and \_\_\_\_\_.
    - Crust-the \_\_\_\_\_, rocky \_\_\_\_\_ layer of Earth.-not very \_\_\_\_\_.
    - \_\_\_\_\_-the thick layer below the crust-more dense.
    - Core-innermost \_\_\_\_\_

### Plate Tectonics

- Plate \_\_\_\_\_ is the \_\_\_\_\_ that proposes that Earth's \_\_\_\_\_ shell \_\_\_\_\_ of individual \_\_\_\_\_ that \_\_\_\_\_ and \_\_\_\_\_ thereby producing \_\_\_\_\_, volcanoes, \_\_\_\_\_, and Earth's \_\_\_\_\_.