**Layers of the Atmosphere Activity**

**Objective:** Students will learn to identify and define the four main layers of the atmosphere. Students will learn to describe the characteristics of the main layers of the atmosphere

**Part 1: Construct a data table in your composition notebook.** Use pages 31 – 33 to fill in the information.

|  |  |  |
| --- | --- | --- |
| **Name of the Layer**  **and meaning** | **Average depth of each layer**  **(kilometers)** | **List three facts about each layer** |
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|  |  |  |
|  |  |  |
|  | 1,000’s km |  |

**Part 2:** Use **complete sentences** to answer the following questions in your composition notebook.

1. In what atmospheric layer does most of our weather occur?
2. Why are the clouds at the top of the troposphere made of ice crystals instead of water vapor?
3. What happens to the density of the atmosphere as you go travel higher?
4. Which layer is ozone located and what is its role in the atmosphere?
5. Why isn’t the Earth covered with impact craters from meteoroids like our moon?
6. What is a shooting star? In which layer would you see it?
7. What is the aurora borealis? In which layer of the atmosphere does it occur?

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