**Science 9**

**Unit E: Space Exploration**

**Lesson 4**

**Practice Worksheet 54: Planet Comparison**

Work through the readings and videos in Unit E Lesson 4 and complete the questions below.

*Leave your answers in blue; it will be easier for you and your teacher to see them later.*

**Question 1**

Complete the table below, to compare the planets of the solar system.

|  |  |  |  |
| --- | --- | --- | --- |
| **Planet** | **Composition** | **Atmosphere** | **Weather and Climate** |
| **Mercury** | *Type your answer here.* | No atmosphere or  magnetic field. | Extreme weather  changes - from too hot  to too cold. Lava  flowing on surface.  Often hit by  meteoroids, etc. |
| **Venus** | *Type your answer here.* | *Type your answer here.* | *Type your answer here.* |
| **Earth** | Inner planet - rocky  (terrestrial) | Atmosphere helps to  protect Earth from  meteoroids. Magnetic  field protects Earth  from solar wind. | Temperatures vary,  but most are  comfortable for  humans. |
| **Mars** | *Type your answer here.* | *Type your answer here.* | *Type your answer here.* |
| **Jupiter** | *Type your answer here.* | Composed of  hydrogen and helium. | Temperature is very  cold. |
| **Saturn** | *Type your answer here.* | *Type your answer here.* | *Type your answer here.* |
| **Uranus** | *Type your answer here.* | *Type your answer here.* | *Type your answer here.* |
| **Neptune** | Outer planet - more  gaseous (Jovian, Gas  giant) | *Type your answer here.* | *Type your answer here.* |

**Question 2**

Describe the characteristics of a **terrestrial planet**.

*Type your answer here.*

**Question 3**

Describe the characteristics of a **gas (Jovian) planet**.

*Type your answer here.*

**Question 4**

What are asteroids? Where are they most densely located?

*Type your answer here.*

**Question 5**

What is a comet?

*Type your answer here.*

**Question 6**

What is the difference between meteoroids, meteors, and meteorites?

*Type your answer here.*

**Congratulations! You have completed this practice worksheet.**

Now it's time to carefully compare your answers to the suggested answers in the online course. When comparing, you should feel free to make changes to your answers or make extra notes.

**Keep this practice worksheet for study purposes.** Using practice worksheets as a study tool to review for exams is a great idea.

**If you unsure about any of the questions or answers, or you just want more feedback, share this practice worksheet with your teacher and ask for assistance.** You can do that by emailing the teacher, or by submitting it in the Course Questions Forum in the online course. If you are using this practice worksheet in Google Drive, don’t forget to change the sharing settings so that anyone can view it before sending the link to your teacher.