

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.

Question 1

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

Planet	Composition	Atmosphere	Weather and Climate
Mercury		No atmosphere or magnetic field.	Extreme weather changes - from too hot to too cold. Lava flowing on surface. Often hit by meteoroids, etc.
Venus			
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			
Jupiter		Composed of hydrogen and helium.	Temperature is very cold.
Saturn			
Uranus			
Neptune	Outer planet - more gaseous (Jovian, Gas giant)		

Question 2

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

Question 3

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

Question 4

What are asteroids? Where are they most densely located?

Question 5

What is a comet?

Question 6

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

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.
