

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**Directions:** To calculate relative weight: Multiply your weight by the relative gravity of each planet. For example, if I weighed 200 lb on Earth I would multiply  $.38 \times 200$  to find that my weight on Mercury would be  $200 \times .38 = 76$ , so I would weigh 76 pounds on Mercury.

Write your answer in the spaces provided. They will NOT be the same as your table partner.

**Solar System Weight Chart**

Planet, Moon, or Dwarf Planet	Relative Gravity	My weight x relative gravity = my weight on that solar system body (lbs)
Mercury	0.38	
Venus	0.91	
Earth	1	
Earth's Moon	0.17	
Mars	0.38	
Jupiter	2.34	
Saturn	1.06	
Uranus	.92	
Neptune	1.19	
Pluto	0.06	

What did you find to be your weight on the Sun (impossible) when you stood on the **scale**? \_\_\_\_\_

What is the Relative gravity of the Sun? \_\_\_\_\_