
Directions to the Student: Use the following formulas to determine the weight of that thing on the following planets. Multiply if the planet you want to visit is larger and divide if the place you want to visit is smaller. These weights are approximate.

Weight Table
Your Earth weight divided by 7.5= weight on Pluto
Your Earth weight divided by 2.9= weight on Mercury
Your Earth weight divided by 2.63= weight on Mars
Your Earth weight divided by 1.15= weight on Venus
Your Earth weight multiplied by 1.06= weight on Uranus
Your Earth weight multiplied by 1.13= weight on Saturn
Your Earth weight multiplied by 1.4= weight on Neptune
Your Earth weight multiplied by 2.63= weight on Jupiter
Your Earth weight multiplied by 279= weight on the Sun

Extensions:

- Check your answers at: <http://www.exploratorium.edu/ronh/weight/>
- Design an Olympic event for another planet. Would your weight help or hurt you?

References / Resources:

Language Arts/Reading Extension: Read *Gravity is a Mystery* by Franklyn M. Branley, Thomas Y. Crowell:NY 1986.

White, Larry. Gravity. Millbrook Press: Brookfield, Connecticut, 1995.
