

1 Class Handout - Gravity

1. Earth has a mass 500 times greater than Pluto and a radius that is 15 times greater than Pluto. What is the acceleration due to gravity (g) on Pluto?

2. A man has a mass of $100kg$ and a weight of $1000N$. What is his mass and weight if he is at an elevation of twice the radius of the Earth?

3. At what height and speed must a satellite be to maintain geosynchronous orbit?