



#7 - The Gravity of the Situation

1. Gravity from an object goes on _____
2. Isaac Newton got into a bitter feud with _____
3. You can think of it as "how much stuff makes up an object": _____
4. Which term is defined as "how much mass is inside a given volume"? _____
5. When the distance from an object is doubled, the force of gravity drops by a factor of _____
6. Go 3 times farther away and the force of gravity drops by _____
7. If there are no other forces acting on them, two objects with mass will _____
8. What can be described as "falling and missing the ground"? _____
9. A rock thrown hard enough sideways will orbit the Earth once every _____
10. Who realized that planetary orbits aren't necessarily circular? _____
11. The planets of our solar system have orbits that are _____
12. What is the escape velocity of the Earth? _____
13. What does NASA like to call the free-fall condition while on the space station? _____
14. In space you have the same mass as you do on Earth, but no _____
15. Which particle has no mass, yet can be affected by gravity? _____
16. An object moving along a path controlled by gravity is said to be _____