

**THE MECHANICAL UNIVERSE**  
**Video 8. The Apple and the Moon**

**Name:** \_\_\_\_\_  
**Class:** \_\_\_\_\_

1. What disease did Isaac Newton barely escape?
2. What scientist single handedly laid the foundation for modern astronomy?
3. Define inertia:
4. Planets further from the sun move \_\_\_\_\_.
5. Write Newton's Universal Law of Gravitation:
6. Explain what it means to put an object in orbit:
7. How far does the moon fall every second?
8. What happened to Newton in 1696?