

THE MECHANICAL UNIVERSE

Video 6 - Newton's Laws

Name: _____

Class: _____

1. Who invented physics as we know it today?
2. Write the equation for Newton's most profound law:
3. What is special about the acceleration of a falling body?
4. Who first conceived the idea of inertia?
5. Define Newton's Third Law:
6. What is special about the horizontal speed of a projectile?
7. What did Aristotle think caused the movement of a projectile?
8. Who discovered that all projectiles follow parabolic paths?
9. If there were no gravity, what path would a projectile follow?
10. In the monkey-hunter demonstration, where must the hunter initially aim the gun to hit the monkey as he falls?
11. What is the single most important equation in all of physics?