

THE MECHANICAL UNIVERSE
Video 10 - Fundamental Forces

Name: _____
Class: _____

1. There are how many fundamental forces of nature?
2. List the two fundamental forces in the nucleus:
3. Which fundamental force is involved in radioactive decay?
4. Which is the most familiar fundamental force?
5. What unit measures force?
6. What large object did Cavendish weigh in 1798?
7. What is the fourth fundamental force?
8. Who was America's first and foremost scientist?
9. Which two forces are strikingly similar?
10. What did Albert Einstein spend the last 20 years of his life pursuing?
11. What does viscosity determine?
12. A tandem accelerator uses its high voltage how many times?
13. What are the central problems facing physics that involve Newton's Law?