

Name _____

Radiation Unveiled: The Mystery of Radioactive Decay

Short Answer

1. Describe the two fundamental forces that play a role in radioactive decay.
2. Explain the concept of a half-life and its significance in measuring the rate of radioactive decay.
3. Provide examples of everyday applications of radioactive isotopes in medicine or industry.
4. What is gamma decay, and how does it differ from alpha and beta decay?
5. How does the strong nuclear force overcome the electromagnetic repulsion between protons in the nucleus?

