

Name _____ **Radioactivity**

QUESTIONS: Radioactivity

Circle the correct answer.

1. Radioactivity was first observed in:
 - A. radium
 - B. isotopes
 - C. polonium
 - D. uranium

2. An isotope has:
 - A. equal protons and neutrons but different number of electrons
 - B. equal protons and electrons but different number of neutrons
 - C. equal neutrons and electrons but different number of protons
 - D. equal numbers of protons, neutrons, and electrons

3. Isotopes that release energy in the form of radiation are _____.
 - A. stable
 - B. unstable
 - C. curies

4. Which of the following is a type of radioactive decay?
 - A. alpha decay
 - B. beta decay
 - C. gamma decay
 - D. all of the above

5. The amount of time that it takes for half the atoms in a sample of isotopes to decay is called:
 - A. the isotope
 - B. the curie
 - C. the half-life
 - D. radioactive decay