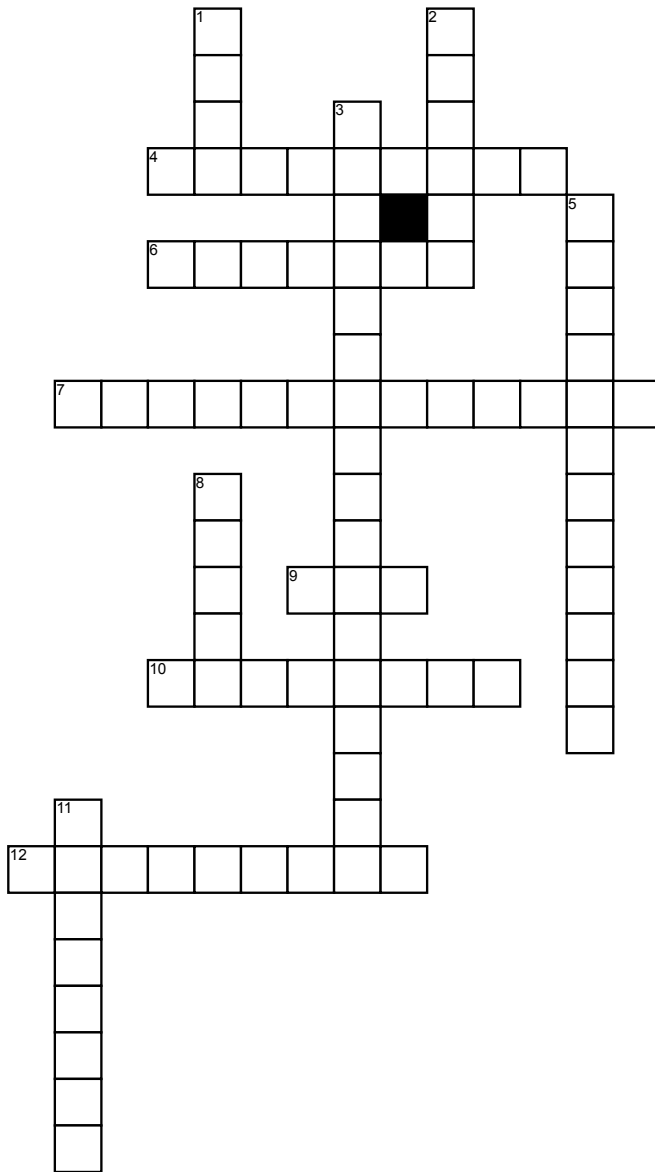


Nuclear Radiation



Across

- 4.** the emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles that cause ionization.
- 6.** the action of dividing or splitting into two or more lighter nuclei
- 7.** an instrument that detects radiation by counting electric pulses

9. a unit to measure the dose of any type of ionization radiation that factor the effect of human tissue

10. a photon of penetrating electromagnetic radiation

12. a device containing photographic film that register the wearer's exposure to radiation

Down

1. particle: an electron or positron emitted from an atomic nucleus in a certain type of radioactive decay.

2. very high temperatures and used to combine lighter atoms to make heavier atoms

3. process by which the approximate age of an object is determine based on the amount of certain radioactive nuclides present

5. Both fission and fusion

8. particle: a positively charged particle consisting of two protons and two neutrons

11. _____ of nuclear waste is done with the intention of never retrieving the materials