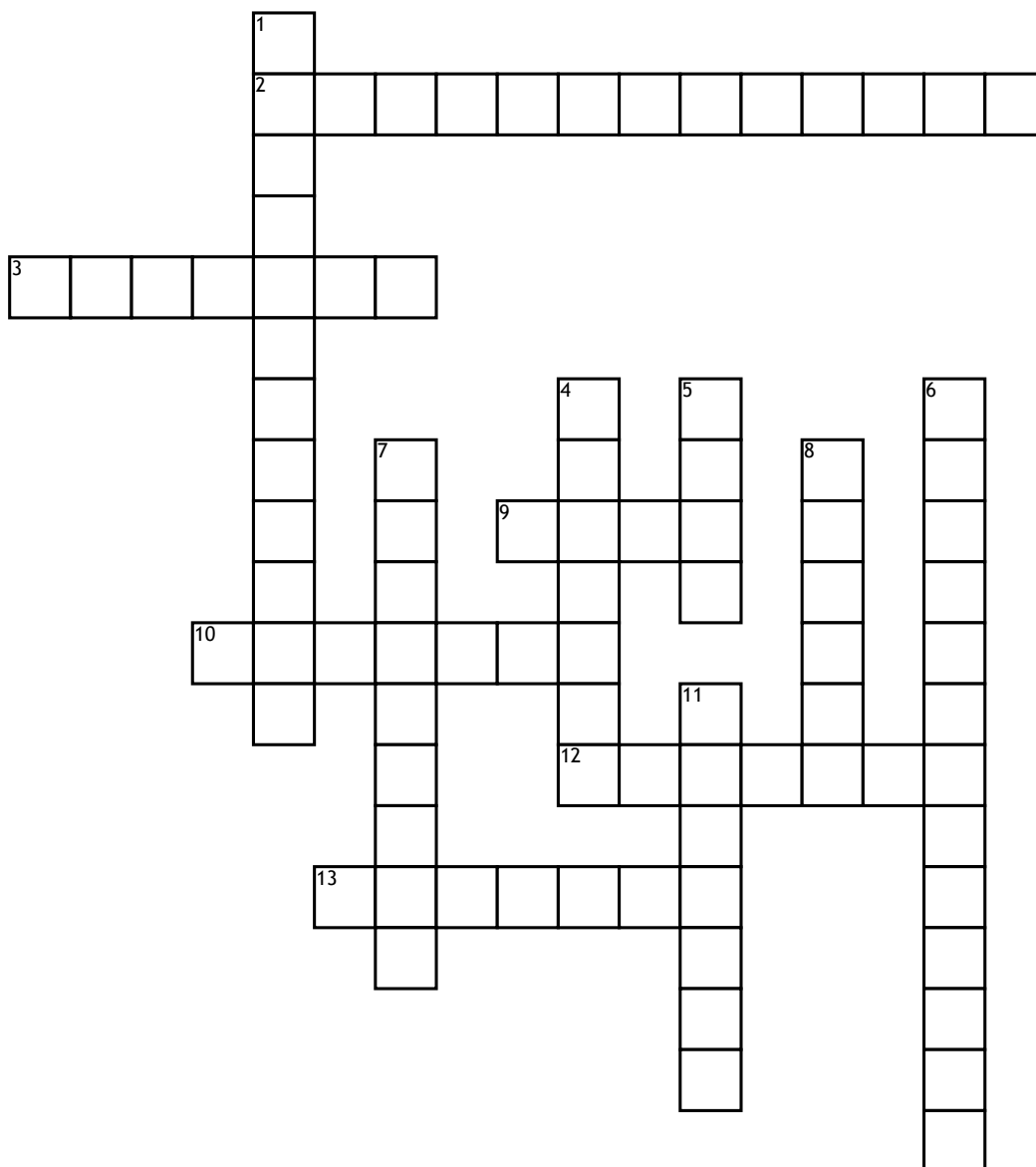


Name: _____

Date: _____

Nuclear Chemistry



Across

2. the emission of ionizing radiation or particles caused by the spontaneous disintegration of atomic nuclei.

3. an element that was used to create "little boy"

9. building block of matter

10. possessing the same number of protons but different number of neutrons

12. subject

13. makes up the center of an atom

Down

1. the smallest amount of fissile material needed for a sustained nuclear chain reaction

4. cool teacher

5. an explosive used on Japan

6. a series of fission reactions wherein the products become the driving forces

7. an element used to create "fat man"

8. a nuclear reaction in which atomic nuclei of low atomic number fuse to form a heavier nucleus with the release of energy.

11. the process by which an atom's nucleus is split releasing energy