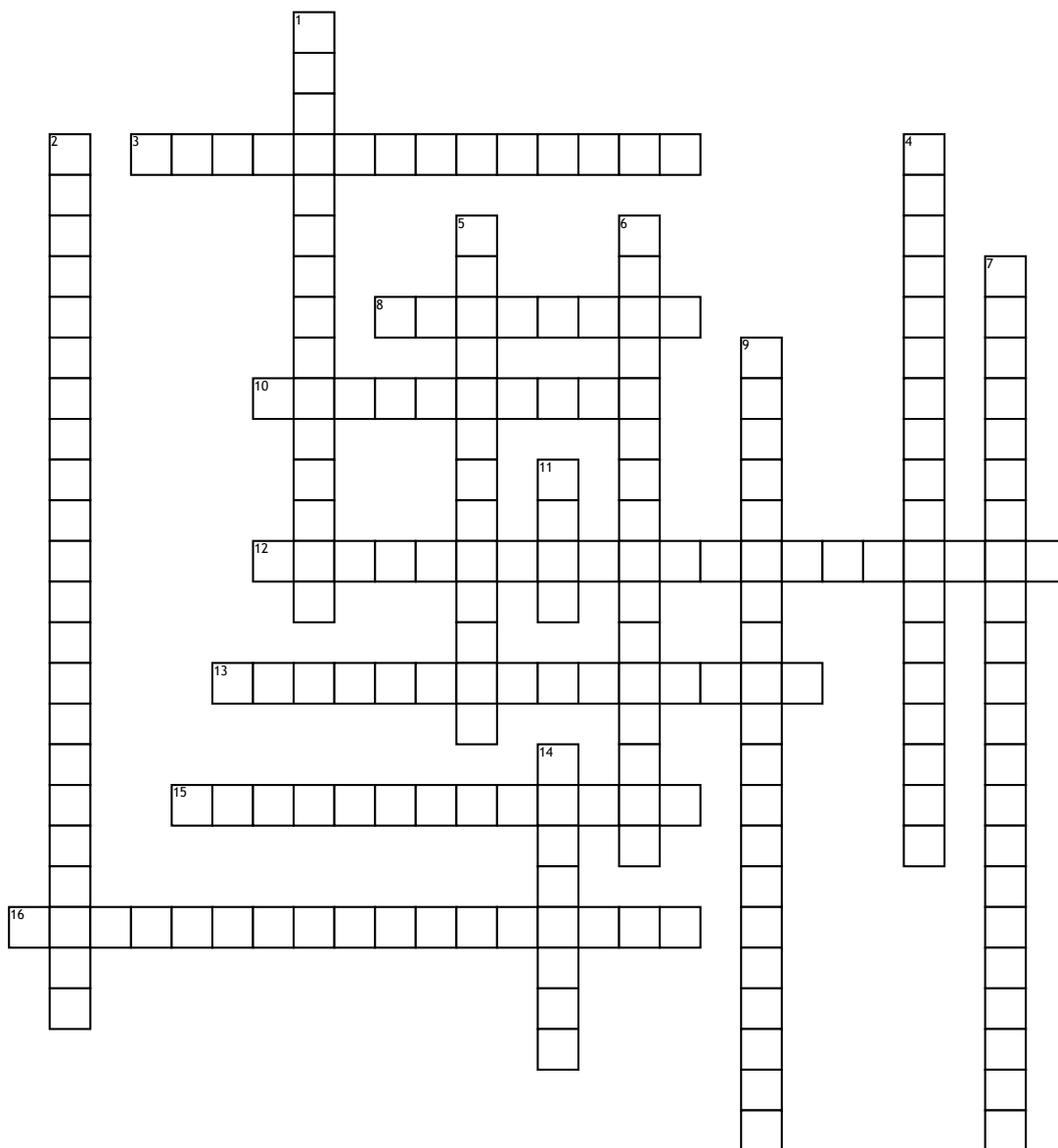


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Nuclear Chemistry Vocab



## Across

3. The splitting of a nucleus into fragments

8. Protons and neutrons within the nucleus of an atom are called

10. The difference in mass between a nucleus and its nucleons

12. Elements that immediately follow uranium in the periodic table

13. When the nucleus of an atom draws in a surrounding electron

15. Atoms with unstable nuclei

16. Radiation energetic enough to ionize matter it contacts is called

## Down

1. Reactors able to produce more fuel than they use are called

2. Fusion reactions are also known as

4. Nucleons remain bound in the nucleus because of the

5. The combining of atomic nuclei

6. The ability of radiation to pass through matter

7. Begins with an unstable nucleus and ends with a stable nucleus

9. Striking nuclei with high-velocity particles

11. A form of high energy electromagnetic radiation

14. A particle with the same mass but opposite charge of an electron