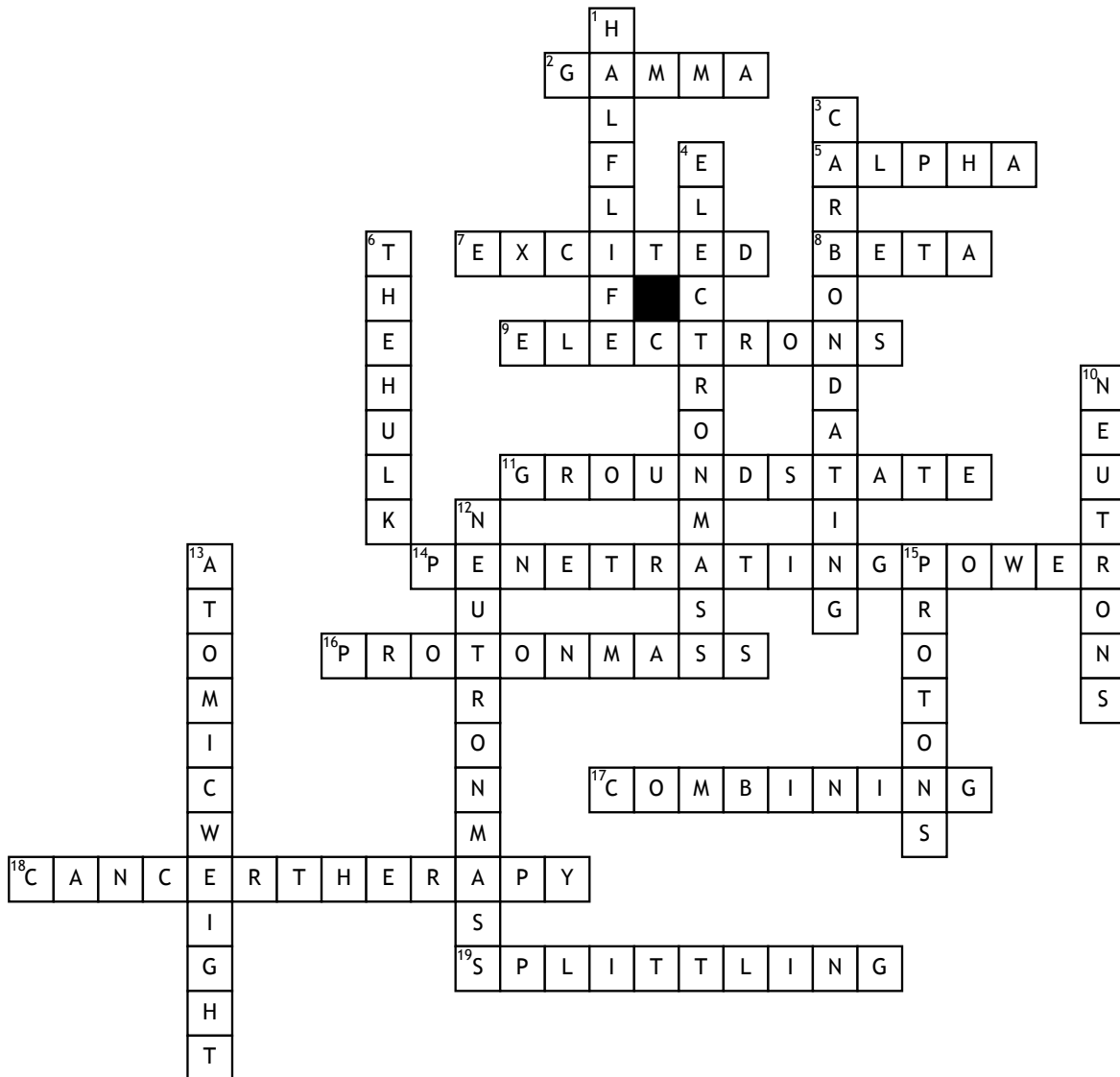


Name: _____

Date: _____

Fall 2018



Across

2. radiation where the atoms is excited then relaxes to ground state
5. radiation where there is a loss of a helium particle
7. when an atom absorbs energy it becomes
8. radiation where the atomic mass stay the same and the number of protons increase by one
9. they weigh almost nothing and are negative

11. the most relaxed state of an atom

14. how types of radiation can go through stuff

16. the weight of a positively charged particle that weighs one

17. fusion is

18. elements with short half lives are used in this therapy

19. fission is

Down

1. how long it takes for a sample to decay by half it's weight

3. how Archeologist find out how old a dinosaur is

4. the weight of a negatively charged particle that is zero

6. he became a superhero through gamma radiation

10. they weigh one mass unit and are neutral

12. the weight of a neutral particle that is one

13. how much an atom weighs

15. they weigh one mass unit and are positive