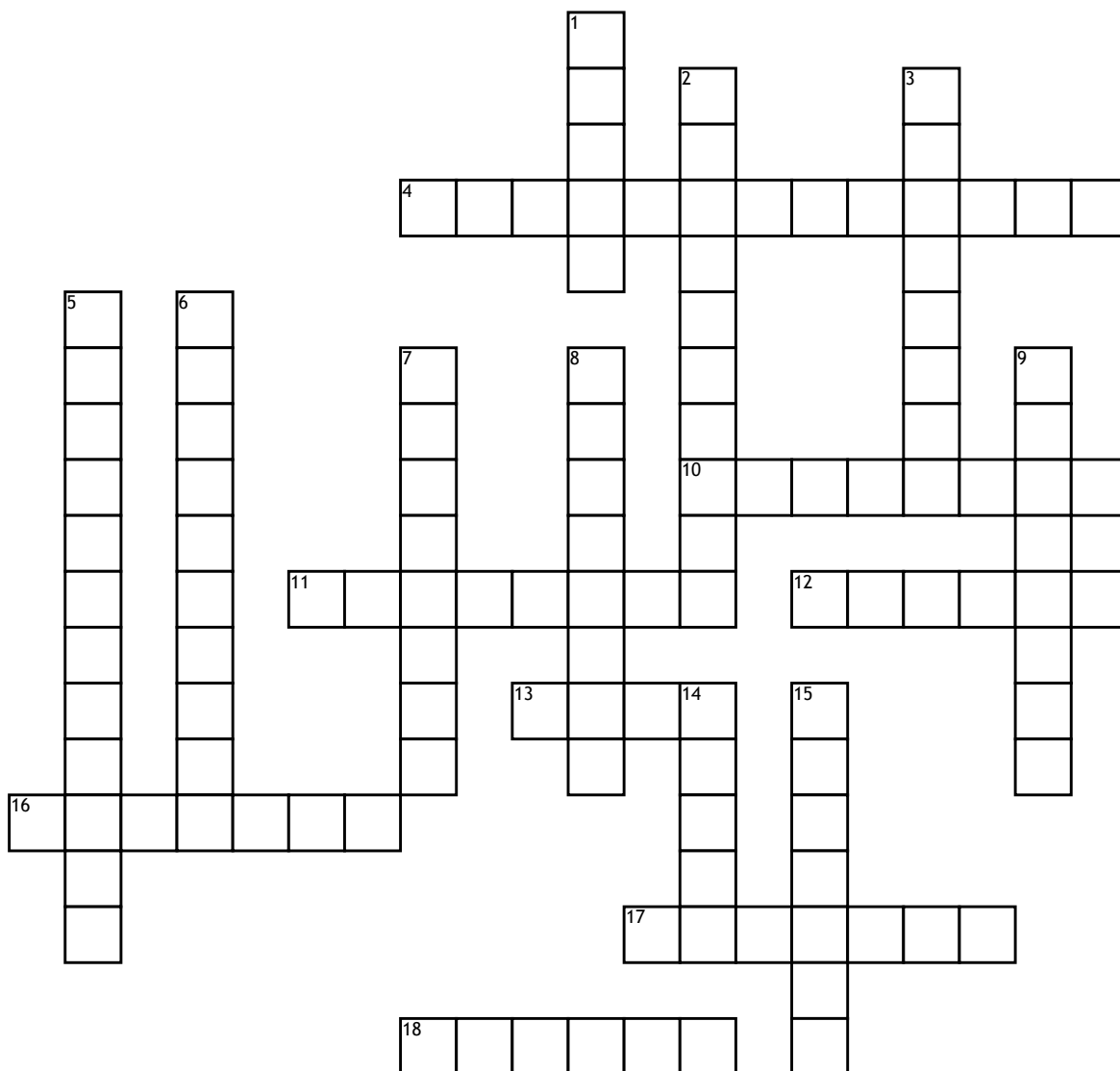


Name: _____

Date: _____

Atomic structure and Nuclear processes



Across

4. the process when large nuclei breakdown to gain stability
 10. negative particle found in an atom
 11. the name of group 7 elements
 12. positive particle in an atom
 13. a particle with the mass of an electron and negative
 16. the splitting of a nucleus into smaller particles

17. positive ions are called?

18. when nuclei combine to produce a nucleus of greater mass

Down

1. bond formed between metal and non-metal
 2. name of group 6 elements
 3. bond formed between non-metals
 5. the temperature at which a solid turns to liquid
 6. name of group 8 elements

7. the time it takes for a sample of radioactive substance to decay to one half of the original amount

8. he introduced the periodic table, what's his name

9. atoms of same element with different masses due to uneven number of neutrons

14. a particle similar to the helium atom (He)

15. joining of atoms