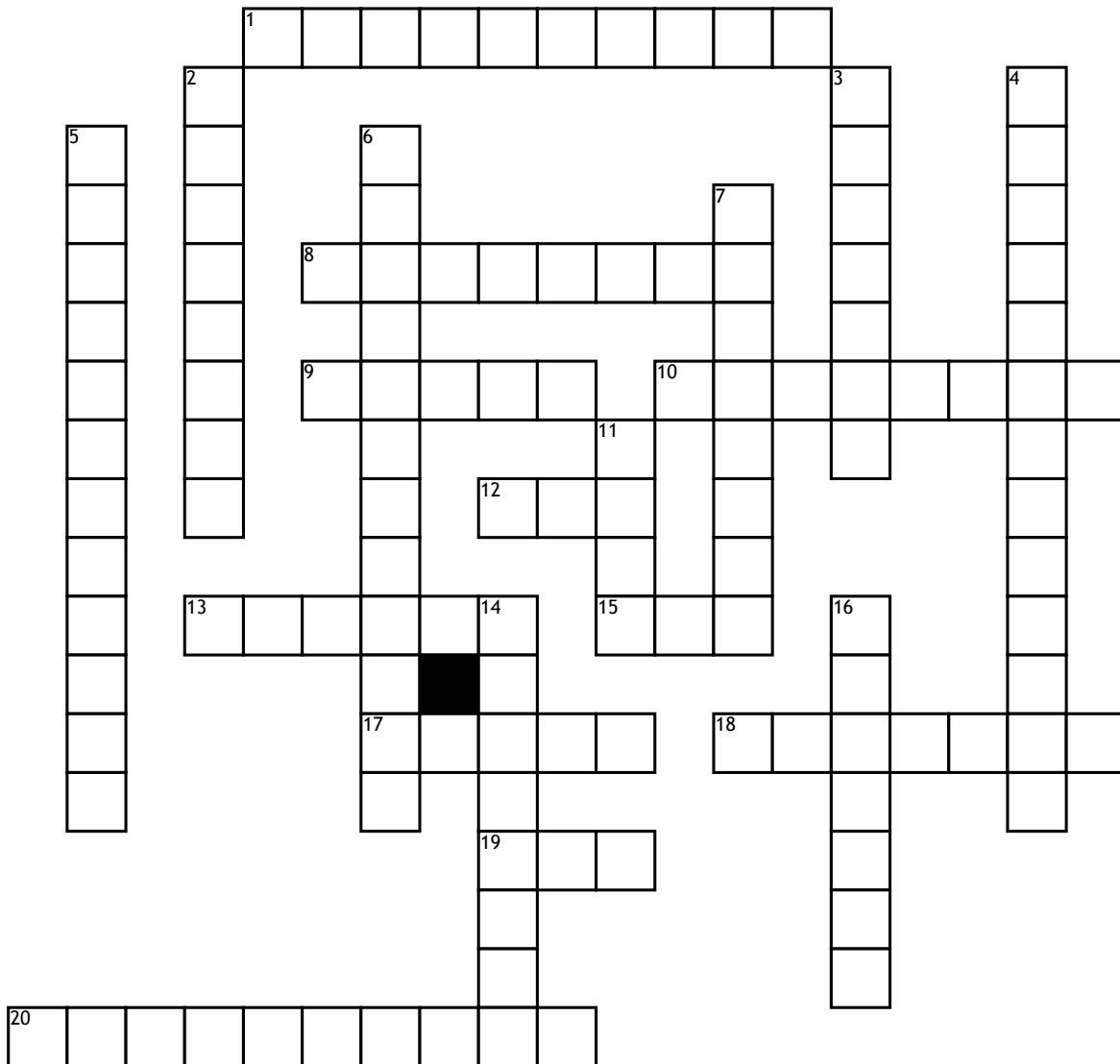


Atoms and sub-atomic particles



Across

1. Do the electrons move around in the electron cloud or stay still?
8. What type of charge will the nucleus always have?
9. How many electrons can fit on the third energy ring?
10. In the electrons cloud are the electrons close together or far apart relative to their size?
12. About how many amus does a neutron weigh?
13. What method can you use to determine the # of neutrons?

15. About how many amus does a proton weigh?

17. How many electrons can fit on the second energy ring?
18. Where are neutrons located?
19. How many electrons can fit on the first energy ring?
20. What model is used to sketch an atom?

Down

2. What type of charge do protons have?
3. What type of charge do neutrons have?

4. Where are electrons located?

5. What determines how many electrons there are in an atom?
6. What determines how many protons there is in an atom?
7. What type of charge will the electron cloud always have?
11. How many amus does an electron weigh?
14. What type of charge do electrons have?
16. Where are protons located?