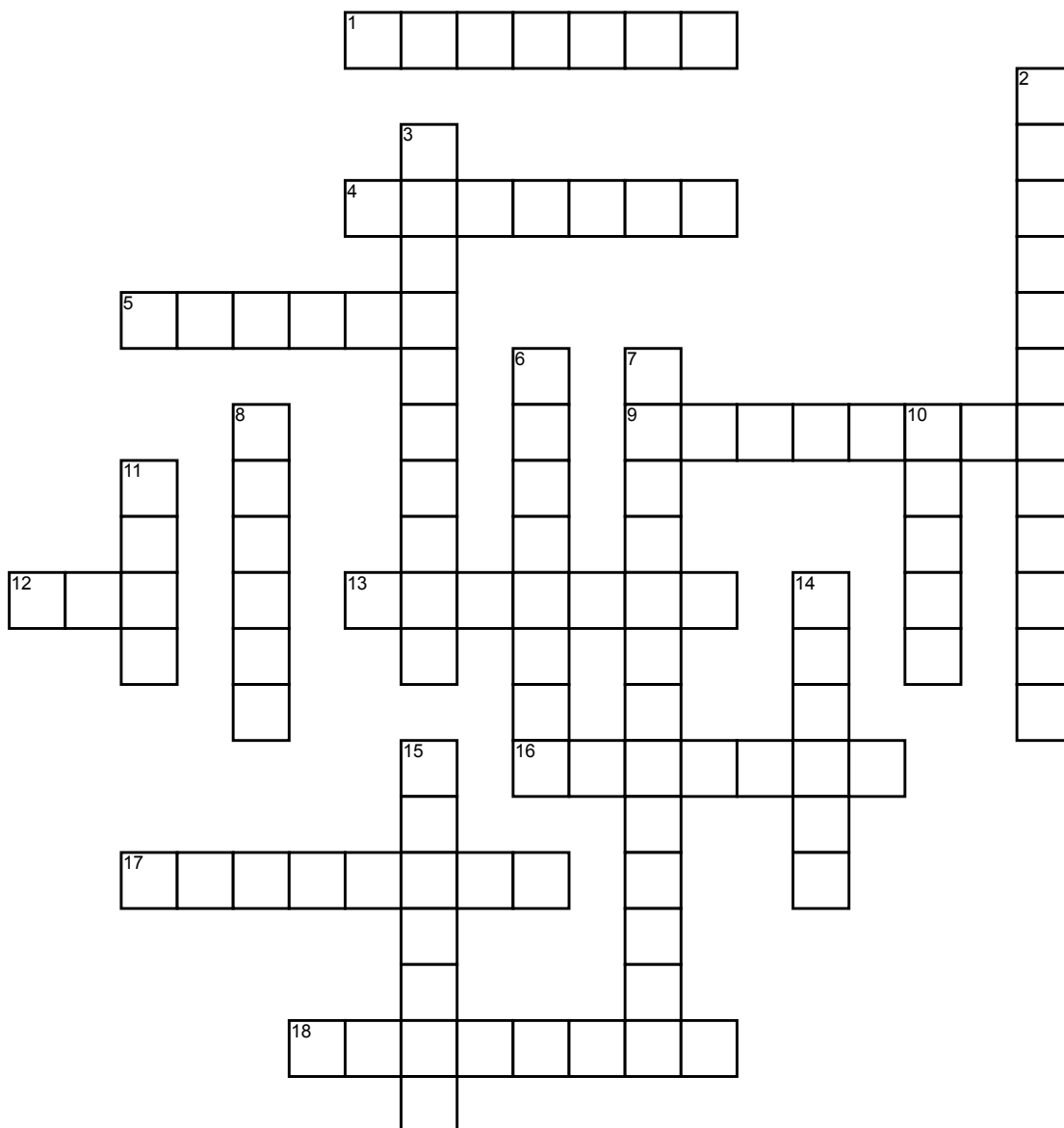


Name: \_\_\_\_\_

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

# Structure of the Atom



## **Across**

1. Protons and electrons are in equal numbers in atoms, so atoms are \_\_\_\_\_ ?  
 4. Outer electron orbit  
 5. Electrons spin around the nucleus in rings called?  
 9. All the elements of this group number have a full valence orbit of electrons  
 12. Maximum number of electrons in the first orbit?  
 13. This subatomic particle has NO charge

## **Down**

16. Centre of the atom  
 17. Have almost no mass and are 1/2000 the size of a proton  
 18. Smallest atom possible is the \_\_\_\_\_ atom  
 2. Specifies the number of protons all that elements atoms contain in their nucleus  
 3. Specifies the number of protons and neutrons contained in the nucleus of that elements atoms  
 6. Negatively charged subatomic particle

7. Table where elements are arranged in order of increasing atomic number and hence size  
 8. Positively charged subatomic particle  
 10. Maximum number of electrons in the second and third orbits?  
 11. Smallest neutral piece of an element  
 14. Vertical columns on the periodic table  
 15. Horizontal rows across the periodic table are called?