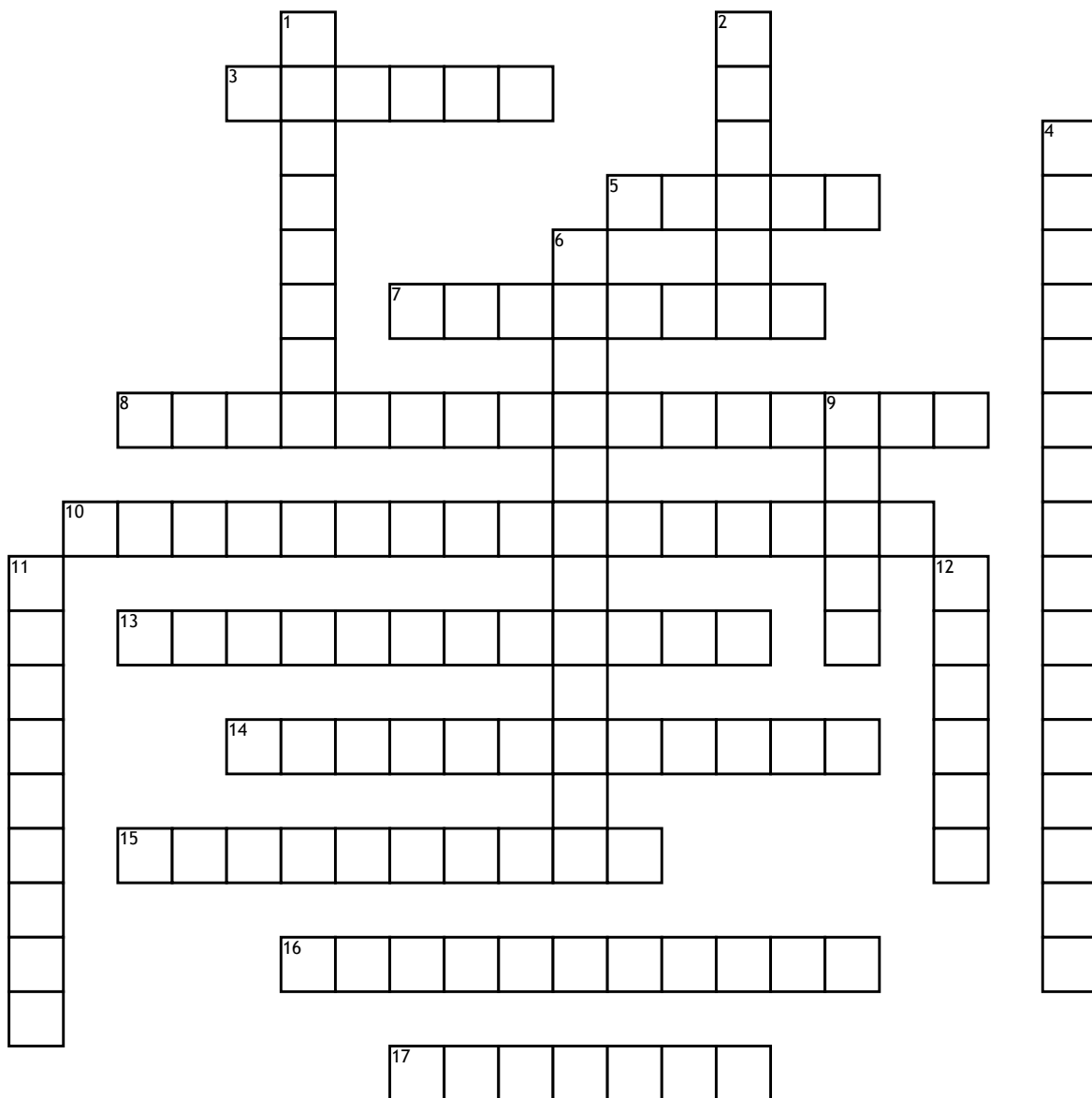


Name: \_\_\_\_\_

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

# Chemical Bonding



## Across

3. They are located to the left of the stair step on the periodic table.  
 5. A negatively charged atom.  
 7. They have 7 valence electrons.  
 8. An atom's likelihood of gaining an electron.  
 10. Chemical reactivity is based on the outer electrons of an atom, also called \_\_\_\_\_.

13. They just need to get rid of one electron to be happy.  
 14. When two different ions of opposite charge bond together.  
 15. They have properties of both metals and nonmetals.  
 16. The distance between the nucleus of an atom to the outermost electron orbital.  
 17. What the horizontal rows in the periodic table are called.

## Down

1. The type of bond formed between two metals.  
 2. A positively charged atom.

4. The amount of energy required to remove an electron from an atom.  
 6. When two nonmetals bond together by sharing electrons.  
 9. The type of bond formed between a metal and a nonmetal.  
 11. They are found on the right side of the periodic table.  
 12. What the vertical columns in the periodic table are called.