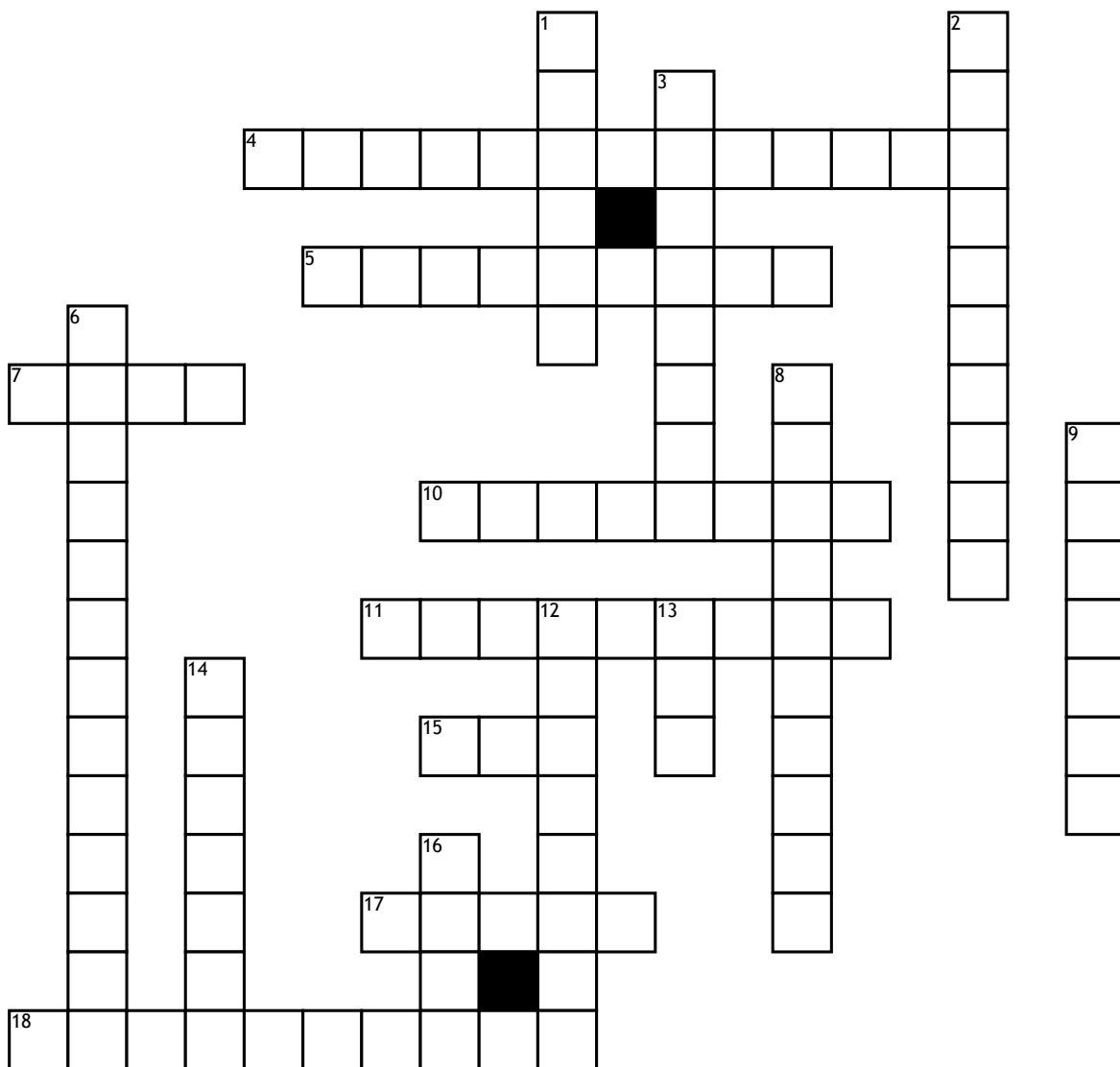


Name: \_\_\_\_\_

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

# Mole Day Crossword



## Across

4. Chemical decomposition produced by passing an electric current through a liquid or solution containing ions  
 5. Sum of all of the atomic masses in a formula  
 7. A measure of the amount of matter in an object  
 10. The process of reducing the concentration of a solute in solution  
 11. \_\_\_\_\_ is a branch of physical science that studies the composition, structure, properties and change of matter

15. Mole is abbreviated to \_\_\_\_  
 17. Magnesium chloride is a(n) \_\_\_\_\_ compound

18. Carbonate is a \_\_\_\_\_ charged ion

## Down

1. One mole is equal to 22.4 \_\_\_\_\_  
 2. Ammonium is a \_\_\_\_\_ charged ion  
 3. Diphosphorus pentoxide is a(n) \_\_\_\_\_ compound  
 6. CO<sub>2</sub> is the chemical formula for \_\_\_\_\_

8.  $6.02 \times 10^{23}$  is \_\_\_\_\_ number

9. C<sub>6</sub>H<sub>6</sub> is the chemical formula for \_\_\_\_\_

12. Moles of solute over liters equals \_\_\_\_\_

13. 273K is the \_\_\_\_ for temperature

14. Composition of a compound is indicated by its chemical \_\_\_\_\_

16. There are  $6.02 \times 10^{23}$  molecules in a \_\_\_\_\_