

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Mole Crossword

## Across

5. molar mass of salt

6. molar mass of CO<sub>2</sub>

8. molar mass of K<sub>2</sub>CO<sub>3</sub>

9. The number of representative particles contained in one mole of a substance; equal to  $6.02 \times 10^{23}$  particles.

10. A term used to refer to the mass of a mole of any substance

12. Convert 3.55 moles NaCl to molecules.

15. Convert 3.00 moles As<sub>2</sub>S<sub>3</sub> to grams

## Down

1. Convert  $8.00 \times 10^{20}$  molecules of H<sub>2</sub> to moles.

2. How many atoms are in 6.2 moles of aluminum?

3. molar mass of KCl

4. What is the mass of 9.30 moles of SiH<sub>4</sub>

7. Convert  $5.3 \times 10^{25}$  molecules of CO<sub>2</sub> to moles.

11. The amount of a substance that contains  $6.02 \times 10^{23}$  representative particles of that substance

13. molar mass of HCl

14. How many grams of tin are found in 3.50 moles of tin

