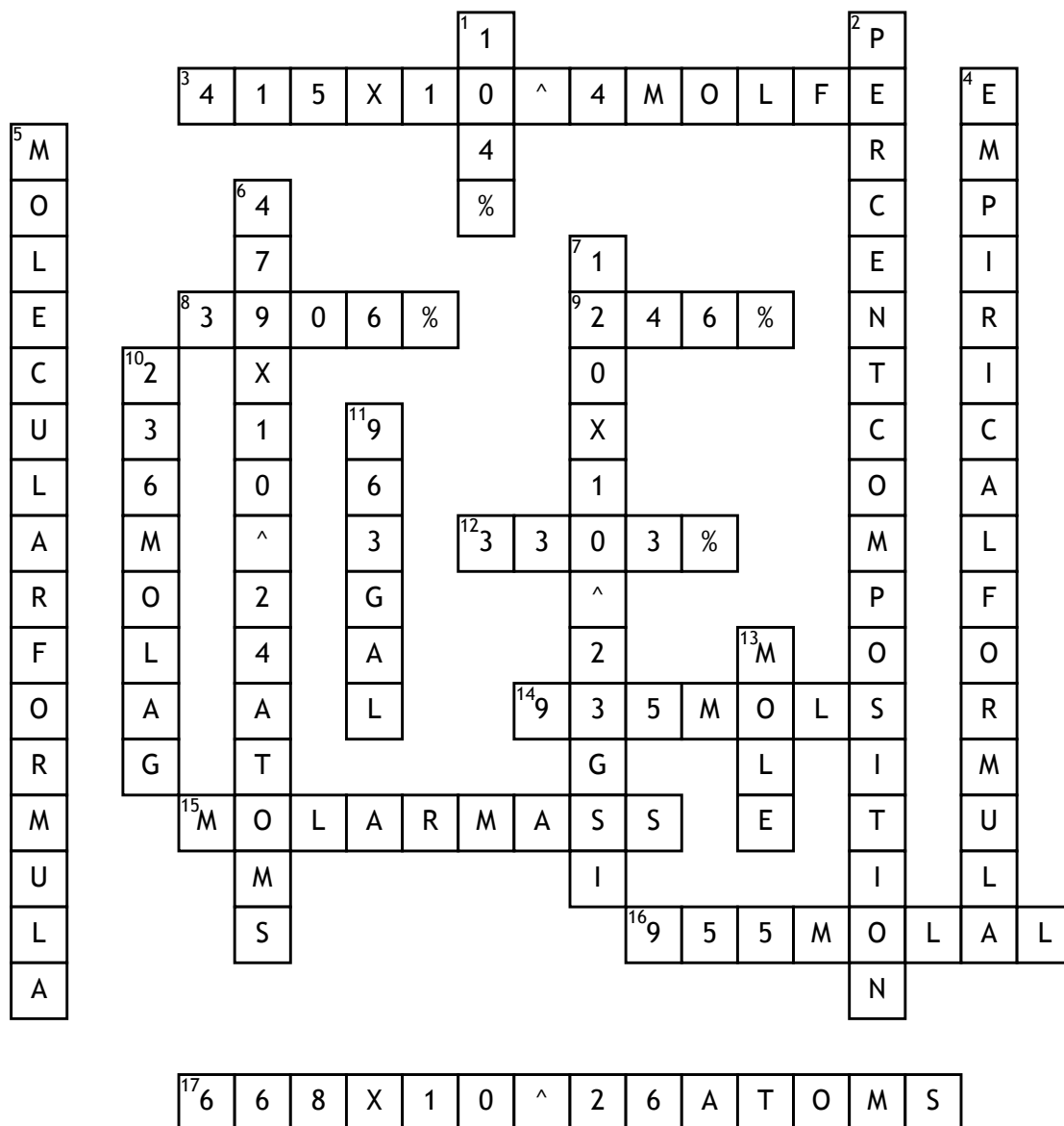


Name: _____

Date: _____

Moles



Across

3. 2.50×10^{20} atoms Al
 8. find the percent composition of Sulfur by using H_2SO_3
 9. find the percent composition of Hydrogen by using H_2SO_3
 12. find the percent composition of Sulfur by using $\text{H}_2\text{S}_2\text{O}_8$
 14. convert to moles: 300.0 grams S
 15. the mass in grams of one mole of any pure substance

Down

16. convert to moles: 5.75×10^{24}
 17. convert to atoms: 0.230 grams Pb
 1. find the percent composition of hydrogen by using $\text{H}_2\text{S}_2\text{O}_8$
 2. the percent by mass of each element in a compound
 4. a formula that shows the smallest whole-number ratio

5. a formula that specifies the actual number of atoms of each element in one molecule of a substance
 6. convert to atoms: 55.2 g Li
 7. convert to grams: 42.6 mol Si
 10. convert to moles: 25.5 g Ag
 11. convert to grams: 3.57 mol Al
 13. the SI base unit used to measure the amount of a substance