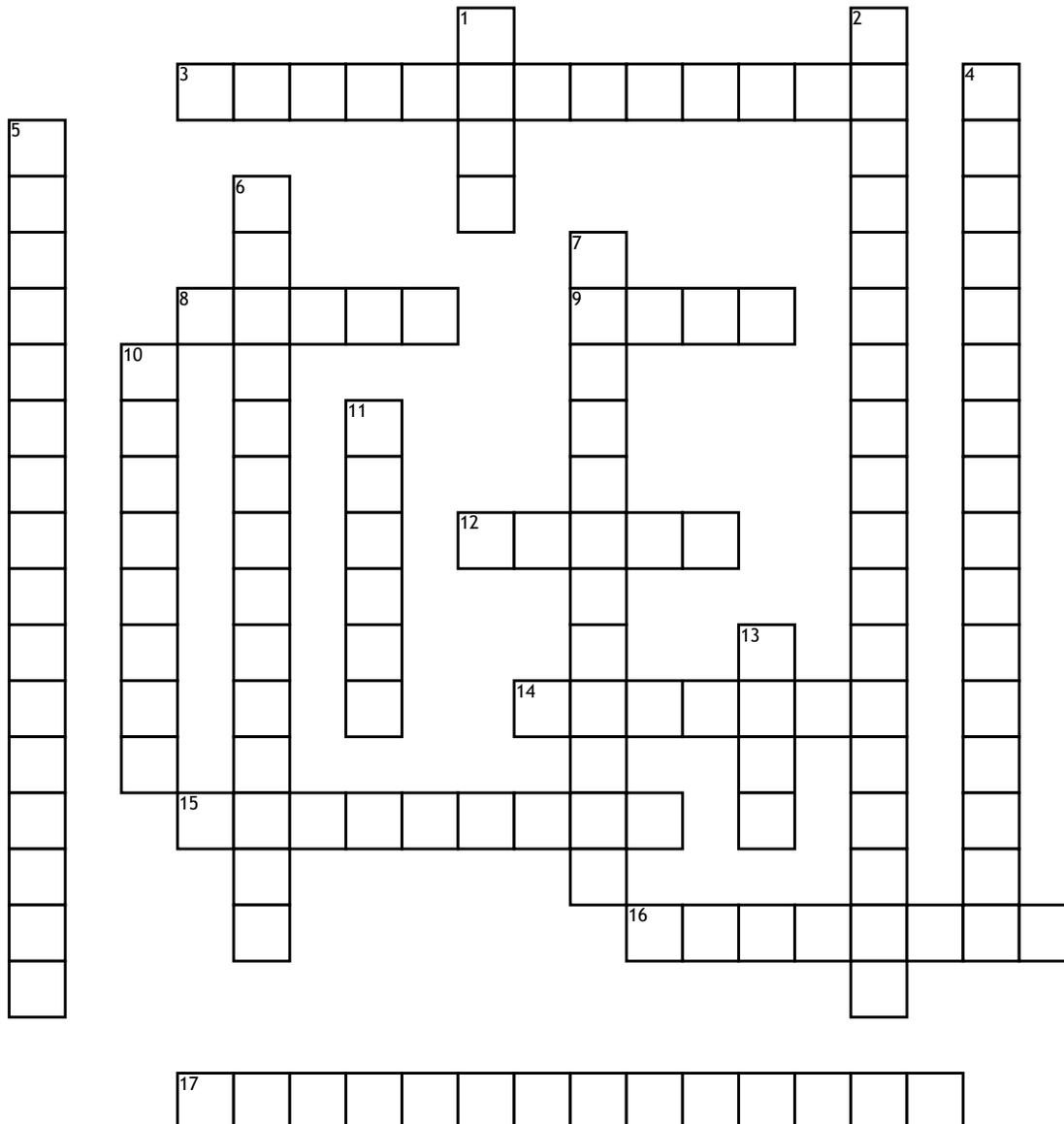Name: _____ Date: _____

Moles

Across

3. 2.50x10^20 atoms Al

8. find the percent composition of Sulfur by using H2SO3

9. find the percent composition of Hydrogen by using H2SO3

12. find the percent composition of Sulfur by using H2S2O8

14. convert to moles: 300.0 grams S

15. the mass in grams of one mole of any pure substance

16. convert to moles: 5.75x10^24

17. convert to atoms: 0.230 grams Pb

Down

1. find the percent composition of hydrogen by using H2S2O8

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