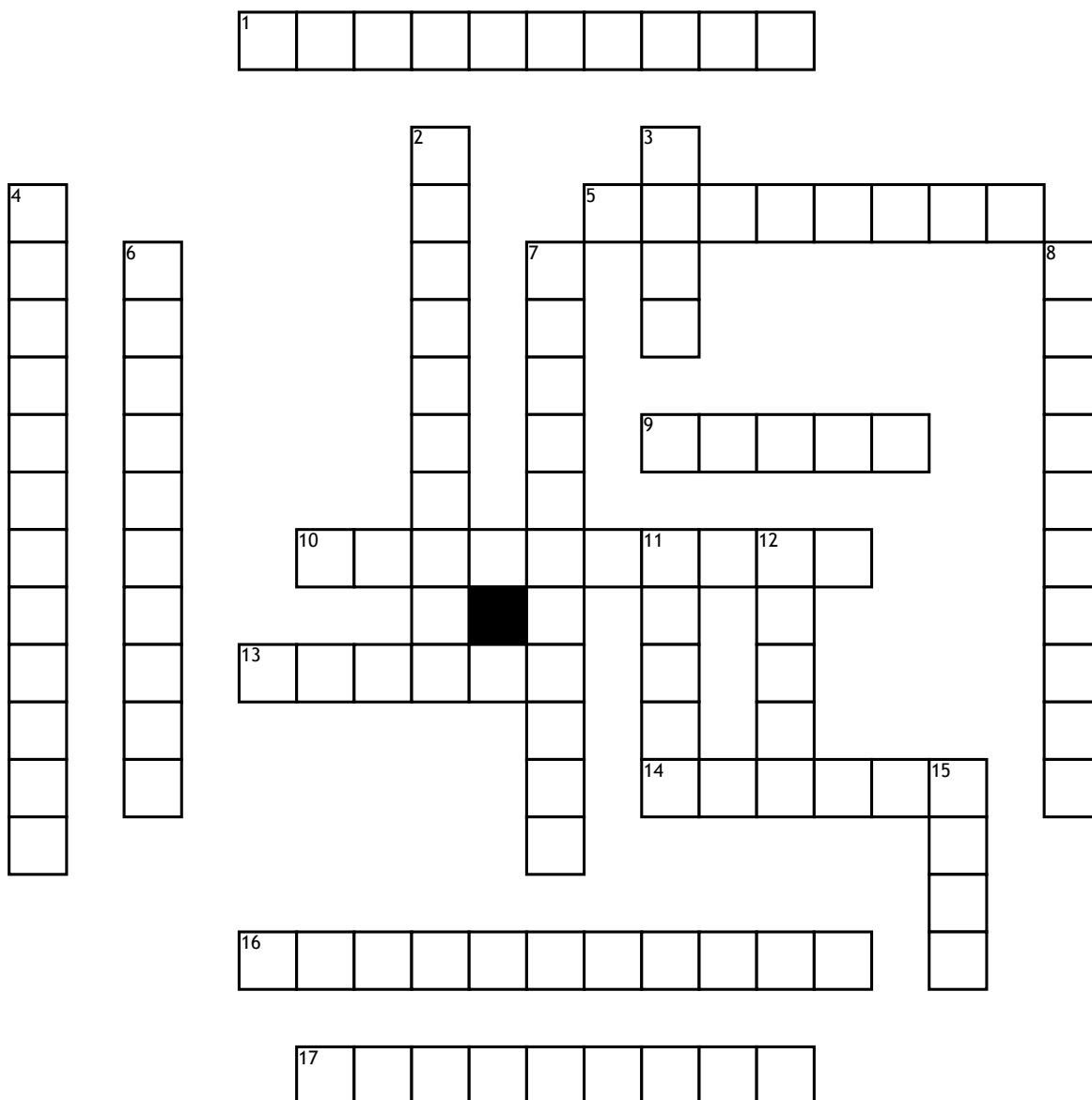


# Tic-tac-toe #8



## Across

1. How many molecules are in 3.00 moles of S?

5. Two or more elements combined make up a...

9. The unit of measurement that is represented with the molar mass of an element is...

10. How many atoms are in 0.001 moles of Cu?

13. How many moles are in 102.56 grams of Na?

14. How many moles are in 6000.0 grams of K?

16. How many atoms are in 9.340 moles of Rb?

17. The weight of one mole of an element or compound

## Down

2. How many grams are in  $1.00 \times 10^{-7}$  moles of B?

3. The unit of measurement that is represented by  $6.02 \times 10^{23}$

4. The set up used for the conversions of moles, atoms, molecules, and grams

6. How many atoms are in 1.26 moles of H?

7. How many molecules are in 0.390 moles of Ag?

8. How many atoms are in  $1.0 \times 10^{-5}$  moles of Al?

11. How many moles are in 59.50 grams of Sn?

12. How many grams are in 10.89 moles of Na?

15. How many moles are in  $4.51 \times 10^{23}$  molecules of Ca?