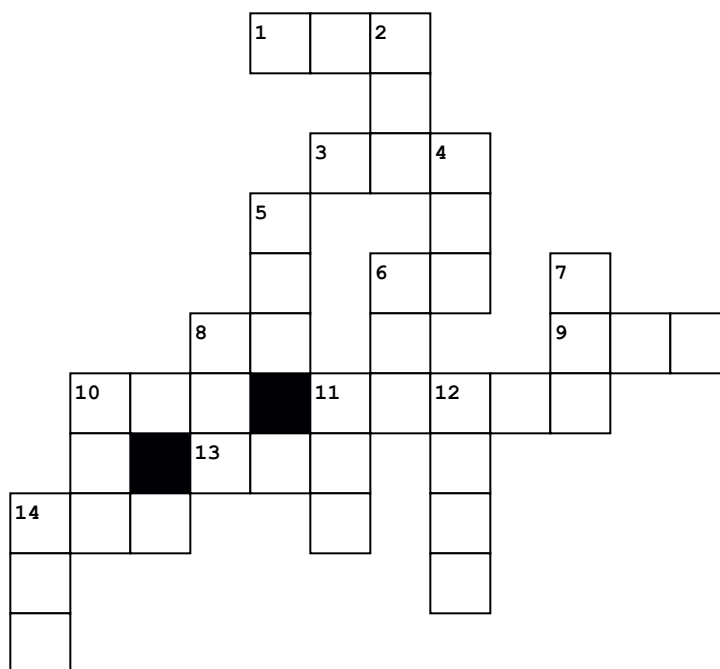


Mole Crossword Assignment - "Guaca-MOLE!"



Across

1. How many atoms are in 3.27 moles of K_2O ?
3. The volume of a gas sample is 84.9 L at SATP, how many moles of gas are there?
6. If 15 moles of oxygen react with excess hydrogen, how many moles of water can be produced?
8. If 22 moles of potassium react with excess chlorine, how many moles of calcium chloride can be produced?
9. 4.5629×10^{24} molecules of NO_3 is equal to how many moles?
10. The volume of a gas sample is 0.850 L at STP. How many moles of gas are there?
11. How many moles of water are in a 250.00g sample?
13. The volume of a gas sample is 12.5 L at STP. How many moles of gas are there?
14. How many molecules are in 2.34 moles of SO_4 ?

Down

2. The volume of a gas sample is 35.7 L at SATP, how many moles of gas are there?
4. What is the molarity of a solution that contains 2.45 g of sodium chloride dissolved in 200 mL of solution?
5. How many molecules are in 4.8556 moles of KBr ?
6. How many molecules are in 5.865 moles of CO_2 ?
7. 2.8692×10^{24} molecules of NH_4 is equal to how many moles?
8. How many moles of $NaCl$ are in a 500mL solution with a molarity of 0.590 M?
10. How many moles of $C_{12}H_{22}O_{11}$ are in a 1.520L solution with a molarity of 0.200 M?
11. How many atoms are in 1.54 moles of O_2 ?
12. How many moles of calcium oxide are in a 488.2g sample?
14. How many atoms are in 10.50 moles of MgO ?