

Conversion Factor Assignment #2 - SCH 4C

1. Find the mass of 3.45 mol of Mg
2. Find the mass of 5.90 mol of Fe
3. Find the amount of 4.45 g of Pb
4. Find the amount of 9.20 g of Cr
5. Find the amount of 11.3 g of Ca
6. Find the number of atoms in 2.20 g of Al
7. Find the number of atoms in 22.9 g of Ar
8. Find the number of atoms in 50.0 g of Ni
9. Find the mass of 2.10 mol of H₂O
10. Find the mass of 5.55 mol of C₇H₅Cl₃
11. Find the amount of 305 g of Al(OH)₃
12. Find the amount of 2.00 kg of FeCl₃
13. Find the number of molecules in 300.0 g of C₂H₅OH
14. Find the number of molecules in 450.0 g of K₄Fe(CN)₆
15. Find the number of atoms of oxygen in 19.0 g of oxygen gas
16. Find the number of atoms of hydrogen in 2 kg of hydrogen gas
17. Find the number of atoms of N in 500.0 g of Au(CN)₃
18. Find the number of atoms of carbon in 15.0 g of Fe₂(CO₃)₃