

Complete the following table Show your work and include units

	Formula	Name	Mass of 1 mole
1	Na ₂ S		
2	NH ₄ Cl		
3	CuF		
4	CuF ₂		
5	PbSO ₄		
6		Nickel (II) chloride	
7		Copper (II) nitrate	
8		Dinitrogen pentoxide	
9		Sulfurous acid	
10		Hydrosulfuric acid	

Answer the following questions completely. Show your work, include the units and use the correct number of significant figures.

These questions will take two steps

11. How many atoms are in 2.3 g of Na?

12. How many molecules are there in 6.8 grams of CO₂?

13. How many grams would 6.8×10^{23} formula units of CuCl₂ be?

14. How many formula units are there in 8.79 g of K₂S?

15. How many molecules are there in 8.8 grams of SO₂?

16. How many grams would 4.65×10^{22} molecules of N₂O₄ be?

17. How many formula units are there in 4.11 g of (NH₄)₂SO₃?

These questions should take three steps

18. How many atoms are in 2.3 g of NaF?

19. How many atoms are there in 3.7 g of (NH₄)₃PO₄?

20. How many ions are there in 4.5 g of (NH₄)₃PO₄?