

1. Fill in the blanks in the table below (answer to 1 decimal place)

SUBSTANCE	MOLES	MOLAR MASS	MASS OF SUBSTANCE
Zn	1 mol		
Cu			28g
P	0.1 mol		
O <sub>2</sub>	2 mol		
NH <sub>3</sub>	3.6 mol		
H <sub>3</sub> PO <sub>4</sub>			15g

2. How many **molecules** of sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) are in 1.6 moles of sulfuric acid?

3. How many **moles** of carbon dioxide are there in 60 g of carbon dioxide gas?

4. How many **atoms** are there in 19 g of potassium?

