1.		s the percent by mass	
		2%	b. 16%
	c.	11%	d. 1g
2.	What i	s the empirical formul	a for a compound containing 36% aluminum and 64% sulfur?
	a.	Al_2S_3	b. Al ₃ S ₆
	b,	AlS	d. AlS ₂
3.	What is an empirical formula?		
	· a.	A chemical formula	hat was originally determined by a Japanese emperor in the 19 th century
			d to determine if a chemical has explosive properties.
			ns the density of the compound.
	d.	A formula that tells t	ne lowest whole number ratio of atoms in a compound.
4.	If the	empirical formula is C	H ₂ O, the a possible molecular formula could be:
	a.	$C_{12}H_2O_{16}$	b. $C_6H_{12}O_6$
	c.	$C_2H_6O_2$	d. CHO
	TO 1		
5.			40 ₁₀ , then the empirical formula would be:
		P ₂ O ₅	b. P ₄ O ₁₀
	c.	PO	d. PO _{2.5}
6.	Which compound has the highest percentage composition of calcium?		
	a.	CaO	b. CaCl ₂
	c.	CaSiO ₃	d. $Ca(OH)_2$
7.	What is the meaning of the number 3 in the chemical formula Mg(NO ₃) ₂ :		
	a.	6 atoms of oxygen	b. 3 molecules of nitrate
	c.	3 atoms of oxygen	d. 3 molecules of oxygen
8.	What is the atomic mass of fluorine?		
	a.	9g	b. 19g
	c.	9amu	d. 19amu
	What is the molar mass of sodium nitride (Na ₃ N)?		
	a.	83g	b. 37amu
	Ъ.	40g	d. 40amu
10.	. If the empirical formula is CH ₂ O and the molecular mass is 120g, then the molecular formula is:		
	a.	CH ₂ O	b. C ₄ H ₈ O ₄
	c.	$C_{30}H_{60}O_{30}$	d. $C_2H_8O_2$