1)	Give the molar mass for each of these compounds:			
	a)	sodium hydroxide	f)	$C_6H_5CO_2H$
	b)	silver carbonate	g)	$C_6H_{12}O_6$
		chromium (III) oxide		K ₄ Fe(CN) ₆
	c)		h)	
	d)	ammonium carbonate	i)	bismuth (V) arsenate
	e)	magnesium bicarbonate		
2)	How many moles are in each of the following:			
	a)	25.0 g sodium hydroxide	d)	14.8 g CH ₃ OH
	b)	44.0 g Br_2	e)	2.88 g sodium sulfate
	c)	0.684 g magnesium chloride	f)	4.20 lb of zinc iodide
3)	How many grams are in each of the following:			
	a)	4.25x10 ⁻⁴ mol sulfuric acid	c)	0.00255 mol Ti
	b)	4.50x10 ²² molecules carbon tetrachloride	ď)	1.5x10 ¹⁶ atoms S
4)	How many molecules are contained in each of the following?			
	a)	1.75 mol Cl ₂	c)	12.0 g carbon dioxide
	b)	$0.27 \text{ mol } C_2H_6O$	d)	1000. g CH ₄
5)	How many a	atoms are contained in each of the following?		
	a)	11 molecules C ₂ H ₅ OH	c)	0.0986 g Xe
	b)	25.0 g Ag	d)	72.5 g CHCl ₃
	,		,	
6)	Perform the	following conversions:		
	a)	284 g S → mole S	c)	42.4 g Mg → atoms Mg
	b)	2.50 kg sodium chloride → mole sodium chloride	d)	485 mL Br ₂ (d = 3.12 g/mL) → mol Br ₂
7)	Exactly 1 mo	ole of ammonium nitrate contains:		
	a)	how many formula units?	d)	how many oxygen atoms?
	b)	how many nitrogen atoms?	e)	how many total atoms of all kinds?
	c)	how many hydrogen atoms?	-)	ne many tetar atems er an minue.
8)	How many atoms are contained in each of the following?			
	a)	5.0 mol of manganese (II) peroxide		
	b)	255 g magnesium carbonate		
	c)	5.0×10^{18} molecules of H ₂ O		
9)	How many g	grams of:		
	a)	silver are in 25.0 g silver bromide		
	b)	nitrogen are in 6.34 mol of ammonium phosphate		
	c)	oxygen are in 8.45×10^{22} molecules of SO ₃		
10)	Perform the	e following conversions:		
	a)	How many grams of carbon are in 67.33 mL of C ₂ H	I ₅ OH (d	$= 0.789 \text{ g/cm}^3$?
	b) How many liters of carbon tetrachloride ($d = 1.5842 \text{ g/mL}$) contains 3.35×10^{25} atoms of chlorine?			
	c)	How many atoms of oxygen are in 9.662x10 ²⁰ form	ula unit	s of mercury (II) perbromate?
	ď)	How many grams of nitrogen are in 0.04417g of an		
	e)	How many moles of mercury are in 6.77 g of mercu		
	f)	How many grams of oxygen are in 34 grams of anti		
	,	, , , , , , , , , , , , , , , , , , , ,	, (,