Chemical Quantities	Wastings		<i>-</i>
	orksheet	#	5
• 1 - 20-4n	Prac	Ŧ.	Quia
l Calari			-12

Name Period_

1. Calculate the mass of silver needed to react with chlorine to produce 84 g of silver chloride.

2. How many moles of carbon monoxide are needed to react with 4.8 g of oxygen gas to produce carbon

3. There were .0330 moles of hydrogen gas produced from the single replacement reaction of zinc with nitric acid. Calculate the mass of zinc needed for this reaction.

4. How many molecules of chlorine are needed to react with 5.6 g of iron to form iron (III) chloride.

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5. What mass of amm	•					1100	of oxygen in	the follow	ning
e 1871-A mare of amm	onia NH ₃ , is	necessa	ry to reac	t with	2.1 x 10 ⁻¹	molecules	of oxygen		-
equation? (Balance Fi	irst)					•	NO₂(g)		1
equation (Datanee 1)	NH ₃ (g)	+	$O_2(g)$	\rightarrow	$H_2O(g)$, + ,	14O3(B)		
	1/11/0								
	ix.								
			ž.						
									*
6. Calculate the volu							W. burns T	Density of C	CO ₂
c a leulate the volu	me of carbon	dioxide	produced	d wher	1 250 g of j	pentane, C	5H12, UM113. L		=:
6. Calculate the voice									
equals 1.96 g/L.									4
5 N									
129	(#C)								
					•				
					•				
									(T
		Jugad G	om 3 00	mole	of copper v	vhen react	ed with silver	nitrate? Co	opper (r
7. What mass of silv	er can be pro	duced fr	om 3.00	mole	of copper v	vhen react	ed with silver	nitrate? Co	opper (L
7. What mass of silv Nitrate is formed.	er can be pro	duced fr	rom 3.00	mole	of copper v	vhen react	ed with silver	nitrate? Co	opper (L
7. What mass of silv Nitrate is formed.	er can be pro	duced fr	rom 3.00	mole	of copper v	when react	ed with silver	nitrate? Co	opper (L
7. What mass of silv Nitrate is formed.	er can be pro	duced fr	rom 3.00	mole (of copper w	vhen react	ed with silver	nitrate? Co	opper (L
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Nitrate is formed.				ii D			le .		(_i .
Nitrate is formed.				ii D			le .		(_i .
Nitrate is formed.				ii D			le .		(_i .
7. What mass of silv Nitrate is formed. 8. Calculate the mass				ii D			le .	hydrogen g	gas.
Nitrate is formed.				ii D			le .	hydrogen §	gas.
Nitrate is formed.				ii D			en react with	hydrogen §	gas.
Nitrate is formed.				ii D			en react with	hydrogen g	gas.
Nitrate is formed.				ii D			en react with	hydrogen §	gas.
8. Calculate the man	ss of water pr	roduced	when 2.7	5 x 10			en react with	hydrogen g	gas.
8. Calculate the man	ss of water pr	roduced	when 2.7	5 x 10			en react with	hydrogen g	gas.
8. Calculate the man	ss of water pr	roduced	when 2.7	5 x 10	²² molecul	es of oxyg	en react with	hydrogen g	gas.
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