Class 14 Covid Chem.

- 1) a Oxidation H 1) b Reactivity of Metals Series (Activity / Lab
- 2) Math of Equations Redox = How to Calculate Cell Potentials.
- 3) Clectrochemical Cel (Voltaic / Galvaric Cell)
- 4) Clectrolypic of KI

nitrate (u(NO3) 208 1 Mg NO3, (ag)

solving (nO3) 208 1 Ag NO3, (ag)

solving (nO3) 208 1 Ag NO3, (ag)

metals

Cu(s)

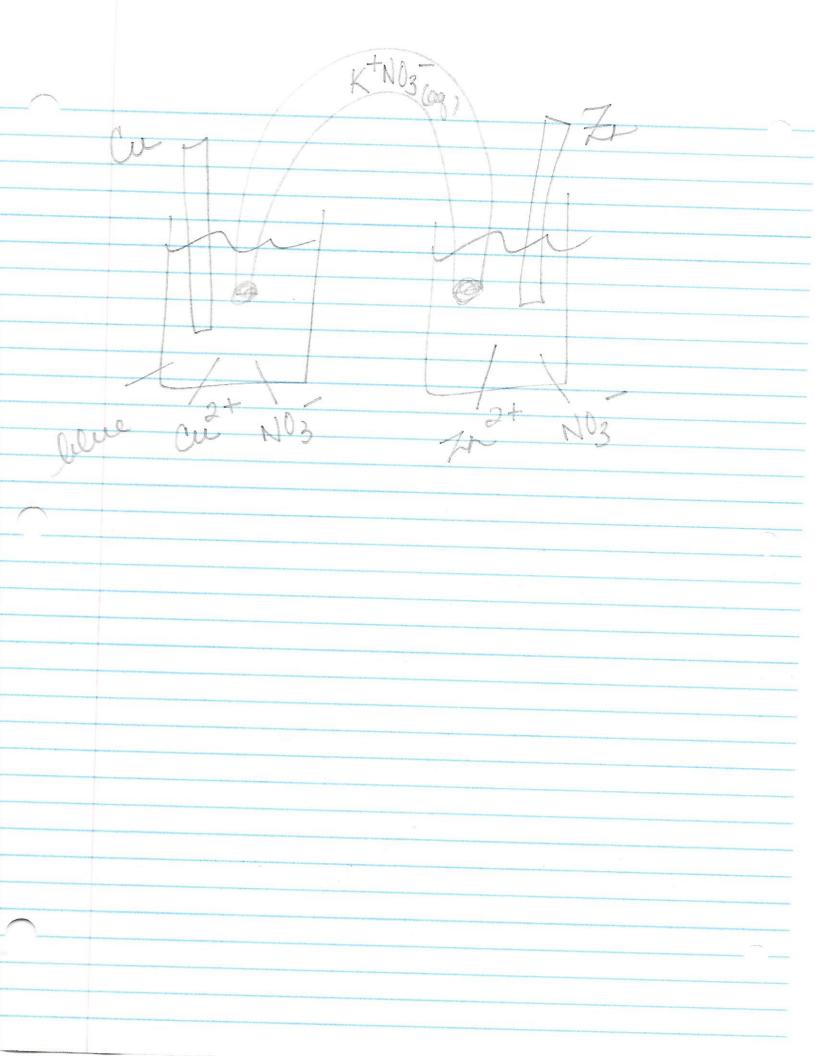
Mg (s)

Zr (s)

		1		
	1	- 01		
		Cu2+	me 2+	Ag T
			0	0
	(U(s)			-
				+ 1
te	$m_{\alpha}(s)$	ſ	V	
generte	1108(3)			+
	7, (c)	i		
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	\	V		-

2.	What type of chemical reaction was taking place in each case? Cee $+$ Ag $N0_3$ \rightarrow .
	sigle disp
3.	Which metal reacted with the most solutions i.e. which metal lost electrons most easily?
	Mg. Why? gr 2A = reactive metals
	Oove to lore 2e
4.	Could you have predicted from prior knowledge which metal was going to react with the least number of solutions?
	Cu Reason? Cu is used for pipes
	for rook for jewellery earlfore
5.	Rank the 4 metals in DECREASING order of reactivity:
	$Mg \rightarrow Ag$
6.	What metal is the Statue of Liberty made with and why?
	Atult you plant to the state of
7.	Given your extensive knowledge of relative chemical activity, which one metal on your list is least likely to be found in an uncombined or "free" state in nature? Why?
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copper (II) ritrate Marosul



+ 20 -> Cu 2+ -> 2n2+ - Ca

metal 2 KI -KOH base =