

Oxidation, Reduction and Electrochemistry



Name_	CI	ass	Date		
1	Which reaction occurs at the anode in electrochemical cells and in		ent describes the redox reaction nen an object is electroplated ?		
	electrolytic cells?	A It is sponta electric cu	aneous and requires an		
	A rectricitor, only		aneous and produces an		
	B oxidation only C both reduction and oxidation	C It is nonsp	ontaneous and requires an		
	neither reduction hor oxidation	electric cu D It is nonsp	ontaneous and produces an		
		electric cu	rrent.		
		00 00			
3	Which type of reaction produces electrical energy in a nickel-cadmium battery?		I can be produced only rolysis of its fused salt?		
	- radov	A ^~	**		
		ABC			
5	👵 🧟 😇 🧶 🧟 .	🧟 着 🐉 🔡			
	A A ROLL II	A II II			
	D D E \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
	PREVIEW				
	Please <u>Sign In</u> or <u>Sign Up</u> to download				
	the printable version of this worksheet				
7					
	As the CI ⁻ is oxidized, the oxidation	A anode, w	hich is negatively charged		
	number of chlorine will	B anode, w	hich is positively charged		
	A decrease		which is negatively charged which is positively charged		
	B increase C remain the same	\V\V/ -	/A\ 		
9	of their fused salts?	Which read oxidation-re	i <mark>on</mark> is an example of eduction?		
	A K and Ca		$CI \rightarrow KCI + H_2O$		
	B K and Cr C Cu and Zn	B 2KCl → 2 C BaCl ₂ + k	${}^{2}K + Cl_{2}$ ${}^{2}SO_{4} \rightarrow {}^{2}KCl + BaSO_{4}$		
	D Cu and Hg		$NO_3 \rightarrow AgCI + KNO_3$		
	electrolyte anode carbode				



Oxidation, Reduction and Electrochemistry



Name_	Cl	lass Date	
1	Which reaction occurs at the anode in electrochemical cells and in electrolytic cells? A reduction only C both reduction and oxidation D neither reduction nor oxidation	Which statement describes the redox reaction that occurs when an object is electroplated? A It is spontaneous and requires an electric current. It is spontaneous and produces an electric current. C It is nonspontaneous and requires an electric current.	C
3	Which type of reaction produces electrical energy in a nickel-cadmium battery?	Which metal can be produced only by the electrolysis of its fused salt?	<u>D</u>
5	PREV	IEW	B
7	_	ign Up to download on of this worksheet A anode, which is negatively charged B anode, which is positively charged C cathode, which is negatively charged	B
9	Which metals are obtained by electrolysis of their rused salts? A K and Ca B K and Cr	Which reaction is an example of oxidation-reduction? A KOH + HCl → KCl + H ₂ O B 2KCl → 2K + Cl ₂	B
	C Cu and Zn D Cu and Hg	C BaCl ₂ + K ₂ SO ₄ → 2KCl + BaSO ₄ D KCl + AgNO ₃ → AgCl + KNO ₃	