oxid	oxidation is the loss of electons oints
ren	dization ucing agent
	uction dizing agent
	ii the process of losing electrons iii the species that gets reduced iii the species that gets oxidized iii the process of gaining electrons
Wha	oints t is the coefficient of lead (Pb) in the redox reaction after the following half-reactions need?
	$Pb \rightarrow Pb^{2+} + 2e^{-}$ $Fe^{3+} + 3e^{-} \rightarrow Fe$
Wha	t is the sum of coefficients in the redox reaction after the following half-reactions are need? $AI \longrightarrow AI^{3+} + 3e^-$ $Cu^{2+} + 2e^- \longrightarrow Cu$
	oints e reaction of thiosulfate ion with chlorine gas in an acidic solution, what is the reducin t?
0	$Cl_2(g) + S_2O_3^{2-}(aq) \longrightarrow Cl^{-}(aq) + SO_4^{2-}(aq)$ Cl_2 S^{2+}
4 pe	$S_2O_3^{2-}$ oints nce the following redox reaction in acidic conditions: $Nb + WO_4^{2-} \rightleftharpoons NbO_2 + W$
the t	ces below are the sum of reactant coefficients \to sum of product coefficients followed otal number of electrons transferred. Note that the sums do include any H $_2$ O and/or H $_3$ O. Pick the right choice. $12 \to 17 \ , \ 12\bar{\rm e}$ $9 \to 11 \ , \ 4\bar{\rm e}$
0	$3 \rightarrow 4$, $4\bar{e}$ $9 \rightarrow 7$, $12\bar{e}$ $9 \rightarrow 11$, $12\bar{e}$ $12 \rightarrow 17$, $4\bar{e}$
4 po Wha	$8 \to 10~,~6\bar{e}$ oints tis the coefficient on H ⁺ when you balance the following redox reaction in acid? Is H ⁺ uct or reactant?
0	$MnO_4^- + NO_2^- \rightarrow MnO_2 + NO_3^-$ 6, product 6, reactant 0, neither
0000	4, product2, reactant3, product2, product
0 0 4 p	3, reactant 4, reactant oints
	od on the push and pull of electrons in a redox reaction, it can be inferred that the species oxidized is also the reducing agent oxidizing agent strong acid
Wha	oxidizer oints t is the change in oxidation number of sulfur when SO ₃ reacts to form SO ⁻ in a redox
4 pe	oints
Whe	on Na ₂ Cr ₂ O ₇ reacts to form Cr(OH) ₃ , the Cr atom gets and the change in oxid ber is equal to reduced, +3 oxidized, -6 oxidized, +3
	reduced, -3 reduced, -6 oints
A me	ethanol fuel source (CH ₃ OH) is burned to form CO ₂ . What is the change in oxidation n arbon? Is this an oxidation or reduction reaction? +6, oxidation -1, oxidation +1, oxidation
0 0 0	+2, oxidation +1, reduction -1, reduction 0, this is not a redox half-reaction
0 0 0	+6, reduction +5, oxidation -3, reduction
	oints t is the oxidation number of chlorine in ClO ₄ -?
	oints t is the oxidation number of sulfur in SO ₄ ²⁻ ?
	oints t is the oxidation number of an individual sulfur in thiosulfate, S ₂ O ₃ ²⁻ ?
	o <mark>ints</mark> t is the oxidation number of phosphorus in hydrogen phosphate, HPO ₄ ²⁻ ?
In th	is electrochemical cell, what is the reduction half reaction? $Zn(s) \longrightarrow Zn^{2+}(aq) + 2e^{-}$ $Cu^{2+}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{-}$
O O O 4 pc Cons	is electrochemical cell, what is the reduction half reaction? $Zn(s) \longrightarrow Zn^{2+}(aq) + 2e^{-}$
O O O 4 pc Cons	is electrochemical cell, what is the reduction half reaction? $Zn(s) \longrightarrow Zn^{2+}(aq) + 2e^{-}$ $Cu^{2+}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{-}$ $Zn^{2+}(aq) + 2e^{-} \longrightarrow Zn(s)$ Soints Sider the cell reaction represented by the skeletal equation: $Mn(s) + Ti^{2+}(aq) \longrightarrow Mn^{2+}(aq) + Ti(s)$
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $Zn(s) \longrightarrow Zn^{2+}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu^{2+}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{-} \longrightarrow Zn(s)$ Soints sider the cell reaction represented by the skeletal equation: $Mn(s) + Ti^{2+}(aq) \longrightarrow Mn^{2+}(aq) + Ti(s)$ t is the proper cell diagram for this reaction? $Ti^{2+}(aq) \mid Ti(s) \mid Mn(s) \mid Mn^{2+}(aq)$ $Ti(s) \mid Ti^{2+}(aq) \mid Mn^{2+}(aq) \mid Mn(s)$ $Mn^{2+}(aq) \mid Mn(s) \mid Ti^{2+}(aq) \mid Mn(s)$ $Mn^{2+}(aq) \mid Mn^{2+}(aq) \mid Ti^{2+}(aq) \mid Ti^{2+}(aq) \mid Mn(s) \mid Mn^{2+}(aq) \mid AgCl(s) \mid Ag(s) \mid $
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $Zn(s) \longrightarrow Zn^{2+}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu^{2+}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{-} \longrightarrow Zn(s)$ Soints Sider the cell reaction represented by the skeletal equation: $Mn(s) + Ti^{2+}(aq) \longrightarrow Mn^{2+}(aq) + Ti(s)$ t is the proper cell diagram for this reaction? $Ti^{2+}(aq) \mid Ti(s) \mid Mn(s) \mid Mn^{2+}(aq)$ $Ti(s) \mid Ti^{2+}(aq) \mid Mn^{2+}(aq) \mid Mn(s)$ $Mn^{2+}(aq) \mid Mn(s) \mid Ti(s) \mid Ti^{2+}(aq)$ $Mn(s) \mid Mn^{2+}(aq) \mid Ti^{2+}(aq) \mid Ti(s)$ Soints sider the cell: $ Zn^{2+}(aq) \mid Cl^{-}(aq) \mid AgCl(s) \mid Ag(s)$
4 por Constant Consta	is electrochemical cell, what is the reduction half reaction? $ Z_{n}(s) \longrightarrow Z_{n}^{2+}(aq) + 2e^{-} \qquad Cu(s) $ $ Cu^{2+}(aq) + 2e^{-} \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{-} \longrightarrow Z_{n}(s) $ Soints $ Z_{n}^{2+}(aq) + 2e^{-} \longrightarrow Z_{n}(s) $ Soints $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction? $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \longrightarrow Z_{n}(s) $ The proper cell diagram for this reaction?
4 por Constant Consta	is electrochemical cell, what is the reduction half reaction? $ Z_{n}(s) \longrightarrow Z_{n}^{2+}(aq) + 2e^{s} $ $ C_{u}^{2+}(aq) + 2e^{s} \longrightarrow C_{u}(s) $ $ C_{u}(s) \longrightarrow C_{u}^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2+}(aq) \longrightarrow Z_{n}^{2+}(aq) \longrightarrow Z_{n}^{2+}(aq) + Z_$
4 po Constant Constan	is electrochemical cell, what is the reduction half reaction? $ Z_{n}(s) \rightarrow Z_{n}^{2+}(aq) + 2e^{-} \rightarrow Cu(s) $ $ C_{u}(s) \rightarrow Cu^{2+}(aq) + 2e^{-} \rightarrow Cu(s) $ $ C_{u}(s) \rightarrow Cu^{2+}(aq) + 2e^{-} \rightarrow Z_{n}(s) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-} \rightarrow Z_{n}^{2-} \rightarrow$
4 per Constant Consta	is electrochemical cell, what is the reduction half reaction? $ Z_{n}(s) \rightarrow Z_{n}^{2+}(aq) + 2e^{-} \rightarrow Cu(s) $ $ Cu(s^{2}+(aq) + 2e^{-} \rightarrow Cu(s) $ $ Cu(s) \rightarrow Cu^{2+}(aq) + 2e^{-} \rightarrow Z_{n}(s) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) $ $ Z_{n}^{2+}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) + Z_{n}^{2-}(aq) $ $ Z_{n}^{2+}(aq) + Z_{n$
4 per Constant Consta	is electrochemical cell, what is the reduction half reaction? $ Z_{n}(s) \longrightarrow Z_{n}^{2+}(aq) + 2e^{s} \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu^{2+}(aq) + 2e^{s} \longrightarrow Z_{n}(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) \longrightarrow Cu(s) $ $ Cu(s) \longrightarrow Cu(s$
4 po Constant Constan	is electrochemical cell, what is the reduction half reaction? $ Zn(s) \rightarrow Zn^{2}(aq) + 2e^{-} \rightarrow Cu(s) $ $ Cu(s) \rightarrow Cu^{2}(aq) + 2e^{-} \rightarrow Cu(s) $ $ Cu(s) \rightarrow Cu^{2}(aq) + 2e^{-} \rightarrow Zn(s) $ $ Zn^{2}(aq) + Zn^{2}(aq) \rightarrow Zn^{2}(aq) $ $ Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) $ $ Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) $ $ Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) $ $ Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) \rightarrow Zn^{2}(aq) $ $ Zn^{2}(aq) \rightarrow Zn^{2}(aq)$
4 por Constant Consta	is electrochemical cell, what is the reduction half reaction? $ Z_{1}(s) \rightarrow Z_{1}^{2+1}(a_{0}) + 2e \rightarrow Z_{1}^{2+1}(a_{0}) + 2e \rightarrow Z_{2}^{2+1}(a_{0}) + 2e \rightarrow Z_{1}^{2+1}(a_{0}) + 2e \rightarrow Z_{1}^{2+1}(a_{0}) + 2e \rightarrow Z_{1}^{2+1}(a_{0}) + 2e \rightarrow Z_{1}^{2+1}(a_{0}) \rightarrow Z_{1}^{2$
O O O O O O O O O O O O O O O O O O O	is electrochemical cell. what is the reduction half reaction? $Zn(s) \longrightarrow Zn^{2}(aq) + 2e^{-}$ $Cu^{2}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2}(aq) + 2e^{-} \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2}(aq) + 2e^{-} \longrightarrow Zn(s)$ soints dider the cell reaction represented by the skeletal equation: $Mn(s) + Tl^{2+}(aq) \longrightarrow Mnl^{2+}(aq) + Tl(s)$ its the proper cell diagram for this reaction? $Tl^{2+}(aq) = Tl(s) = Tl(s) = Tl(s)$ $Tl(s) = Tl^{2+}(aq) = Tl(s) = Tl(s)$ $Tl(s) = Tl(s)$ $Tl(s) = Tl(s) = Tl(s)$ $Tl(s) = Tl(s)$
4 po Constitution O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $ Z_{n}(s) \longrightarrow Z_{n}^{2}(sq) + 2e^{s} \\ Cu^{2}(tqq) + 2e^{s} \longrightarrow Cu(s) \\ Cu(s) \longrightarrow Cu^{2}(tqq) + 2e^{s} \longrightarrow Z_{n}(s) $ soints. idea the cell reaction represented by the skeletal equation: $ M_{n}(s) + T_{n}^{2}(tqq) \longrightarrow M_{n}^{2}(tqq) + T_{n}^{2}(sq) + T_{n}^{2}(s$
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $ Z_{n(s)} \to Z_{n}^{-2}(a_0) + 2e^{-} C_{u}(s) $ $ Z_{n}^{-2}(a_0) + 2e^{-} C_{u}(s) $ $ Z_{n}^{-2}(a_0) + 2e^{-} C_{u}(s) $ $ Z_{n}^{-2}(a_0) + 2e^{-} Z_{n}(s) $ which is the reaction represented by the skeletal equation: $ M_{n(s)} + T_{n}^{-2}(a_0) + M_{n}^{-2}(a_0) + T_{n}^{-2}(s_0) $ into $ M_{n}^{-2}(a_0) + T_{n}^{-2}(s_0) + M_{n}^{-2}(s_0) + M_{n}^{-2}(s_0) + T_{n}^{-2}(s_0) + T_{n}^{-2}(s$
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $Z_{1}(s) \longrightarrow Z_{1}^{-2}(a_{0}) + 2e \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2}(a_{0}) + 2e \longrightarrow Cu(s)$ $Cu(s) \longrightarrow Cu^{2}(a_{0}) + 2e \longrightarrow Z_{1}(s)$ $Z_{2}^{-2}(a_{0}) + 2e \longrightarrow Z_{1}(s)$ $Z_{2}^{-2}(a_{0}) + 2e \longrightarrow Z_{1}(s)$ $Z_{3}^{-2}(a_{0}) + 2e \longrightarrow Z_{1}(s)$ $Z_{4}^{-2}(a_{0}) + 2e \longrightarrow $
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $Z_{n}(a) \rightarrow Z_{n}^{-1}(a_{0}) + 2e$ $Cu^{2}(a_{0}) \rightarrow Z_{n}^{-1}(a_{0}) + 2e$ $Cu^{2}(a_{0}) + 2e \rightarrow Z_{n}(a)$ $Cu(g) \rightarrow Cu^{2}(a_{0}) + 2e \rightarrow Z_{n}(a)$ sider the cell reaction represented by the skeletal equation: $M_{n}(g) + T_{n}^{-1}(a_{0}) \rightarrow M_{n}^{-2}(a_{0}) + T_{n}(a_{0})$ $M_{n}(g) + T_{n}^{-1}(a_{0}) \rightarrow M_{n}^{-2}(a_{0}) + T_{n}(a_{0})$ $T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + M_{n}^{-2}(a_{0}) + T_{n}(a_{0})$ $T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0})$ $M_{n}(g) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0})$ $M_{n}(g) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0}) + T_{n}^{-2}(a_{0})$ $M_{n}(g) + T_{n}^{-2}(a_{0}) +$
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $ 2n(s) \rightarrow 2n^2((s_0) + 2c) $ $ 2n(s) \rightarrow 2n^2((s_0) + 2c) $ $ 2n^2(s_0) + 2c \rightarrow 2n(s) $ $ 2n(s) \rightarrow 2n^2((s_0) + 2c) \rightarrow 2n(s) $ $ 2n^2((s_0) + 2n(s) \rightarrow 2n(s) $ $ 2n^2((s_0) + 2n($
O O O O O O O O O O O O O O O O O O O	is electrochemical cell, what is the reduction half reaction? $ 2n(s) \rightarrow 2n^2(sqs) + 2e $ $ 2n(s) \rightarrow 2n(s) $ $ 2$
O O O 4 place 4 place	is electrochemical cell, what is the reduction half reaction? $ 2n(s) \longrightarrow 2n^{2}(s_{0}) + 2e $
O O O	is electroschemical cell, which is the reduction half neutrino $2\pi/3 - 2\pi^2 - 2\pi^2 + 2\pi = 2\pi =$
OOO 4 po Constitution of the Constitution of t	is decreased with a series of the reduction half reaction? $ 2\rho(s) \rightarrow 2\rho^{**}(a_0) + 2\rho^{**}(a_0$
0000 4pc W0000 4	is declarationization, which is the reduction half reaction? $2 \text{ tot} \rightarrow 2 \text{ tot}^3 (\text{dat}) \cdot 2 \text{ tot}^3 - 2 \text{ tot}^3 (\text{dat}) \cdot 2 \text{ tot}^3 - 2 \text{ tot}^3 (\text{dat}) \cdot 2 \text{ tot}^3 - 2 \text{ tot}^3 - 2 \text{ tot}^3 (\text{dat}) \cdot 2 \text{ tot}^3 - 2 $
0 0 0 4 p C W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p	is destructionized foil, what is the reduction half reaction? $ 2q(s) \rightarrow 2r^{2} (a_{0}) + 2e^{-s} Cubd \\ Cu^{2} (a_{0}) + 2e^{-s} Cubd \\ Cu(a_{0}) \rightarrow 2r^{2} Cubd \\ Cu(a_{0}) \rightarrow 2r^$
0 0 0 4 p C W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 4 p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W O 0 A p W	is deterochemical cell, what is the reduction half reaction? $2060 \rightarrow 20^{10}(4g_1^2 + 2e^2) - Cuts^2$ $Cut^2(4g_1^2 + 2e^2) - Cuts^2$ $20^{12}(4g_1^2 + 2e^2) - Cuts^2$ $20^{12}(4g_1^2 + 2e^2) - Zots^2$ $20^{12}(4g_1^2 + 2e^2) - Zots^2$ $20^{12}(4g_1^2 + 2e^2) - Zots^2$ $100(5) \rightarrow C(1)^{12}(4g_1^2 + 2e^2) - Zots^2$ $100(5) \rightarrow C(1)^{12}$
0000 4 5 0000 4 5 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 0000 4 6 000	selection common and an illustration to the control bett mount or 2 and 1 and 2 and
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