Le. All			HV	V - Redox React
<ol> <li>What is the oxidation (A) -2</li> </ol>	number of sulfur in Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ? (B) +2 -4 -6	(C)	+6	(D) 0
2. Which occurs in the ha	alf-reaction			
$Na(s) \rightarrow Na^+ +$ (A) $Na(s)$ is reduced.		(C)	Na(s) gains electrons.	(D) Na <sup>+</sup> is oxidized.
. What species is reduce	ed in the reaction below?			
$Zn^{0} + 2 Ag^{+} \rightarrow$ (A) $Zn^{0}$	$Zn^{2+} + 2 Ag^{0}$ ? (B) $Ag^{0}$	(C)	$Zn^{2+}$	(D) Ag <sup>+</sup>
<ul> <li>All redox reactions involve</li> <li>(A) the gain of electrons, only</li> <li>(C) both the gain and the loss of electrons</li> </ul>		<ul><li>(B) the loss of electrons, only</li><li>(D) neither the gain nor the loss of electrons</li></ul>		
Base your answer to th	e following question on the followin	g reaction.		
$Mg(s) + 2 Ag^+(ac)$	$g(x) \rightarrow Mg^{2+}(aq) + 2 Ag(s)$			
Which species undergo		(4)	2+4	(D) Ag(s)
(A) Mg(s)	(B) $Ag^{+}(aq)$	(C)	$Mg^{2+}(aq)$	(D) 115(3)
Which half-reaction co	rrectly represents reduction?			
(A) $Ca^{2+} \rightarrow Ca + 2e^{-}$ (B) $Ca^{2+} + 2e^{-} \rightarrow Ca$ (C) $2 F^{-} + 2e^{-} \rightarrow F_{2}$				
(C) $2F^- + 2e^- \rightarrow F_2$				
(D) $2 F^- \rightarrow F_2 + 2e^-$				
	hanges to Ni <sup>2+</sup> , the Ni <sup>3+</sup> undergoes	(B)	oxidation by gaining	electrons
<ul><li>(A) oxidation by losing electrons</li><li>(C) reduction by losing electrons</li></ul>		(0)		electrons
Given the reaction:				
$2 \text{ Na} + 2 \text{ H}_2\text{O} \rightarrow$	2 Na+ + 2 OH- + H <sub>2</sub>			
Which substance is oxid	lized?			
A) H <sub>2</sub> B) H <sup>t</sup> red				
C) Na				
D) Na <sup>+</sup>				

(C) protons

(B) electrons

(A) neutrons

(D) positrons