## UNIT 5B FOUNDATION PRACTICE QUIZ 1 – OXIDATION AND REDUCTION

Consider the following reactions and use them to answer Questions 1 - 7:

Reaction W	$H_2 + Br_2 \rightarrow 2HBr$
<b>Reaction X</b>	$Mg + 2HCI \rightarrow MgCl_2 + H_2$
<b>Reaction Y</b>	$CaO + 2HCI \rightarrow CaCl_2 + H_2O$
Reaction Z	Mg + CuO → MgO + Cu

1.	In Reaction W, what is the charge on H in H <sub>2</sub> ?
2.	In Reaction W, what is the charge on H in HBr?
3.	In Reaction Y, what is the charge of the Ca in CaCl <sub>2</sub> ?
4.	In Reaction X, what is oxidized?
5.	In Reaction X, what is reduced?
6.	What is the reducing agent in Reaction Z?

7.	Which of the following is a correct oxidation half-equation?	
	Α	$Zn^{2+} + 2e^{-} \rightarrow Zn$
	В	$Zn \rightarrow Zn^{2+} + 2e^{-}$
	С	$Zn^{2+} \rightarrow Zn + 2e^{-}$

8.	Which of the following is a correct reduction half-equation?	
	Α	$Zn^{2+} + 2e^{-} \rightarrow Zn$
	В	$Zn \rightarrow Zn^{2+} + 2e^{-}$
	С	$Zn^{2+} \rightarrow Zn + 2e^{-}$

Here is the link to the answer sheet