Unit
11
Lesson
2

AIM
- Is this a redox reaction?

AGENDA
- Redox number line
- Identifying redox reaction CER practice
- U11L2 video

YOYO
- Pull up the U11L2 (unit 11 lesson 2) video on YouTube

HOMEWORK
- Ox #'s/Is this Redox Castle Learning due tonight by 11:59 pm
- Follow the calendar

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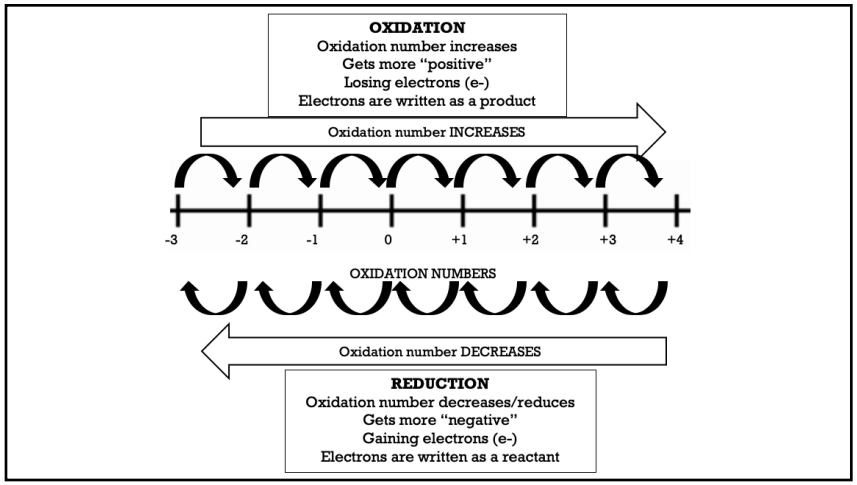

2

Practice Questions

- 0 → +3 : _____ because _____
- +2 → +1: _____ because _____
- -2 → -4: _____ because _____
- -1 → 0: _____ because _____
- +2 → 0: _____ because _____
- -1 → +1: _____ because _____

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Practice Questions

- $Fe^{3+} + 3e^- \rightarrow Fe^0$: _____ because _____
- $Fe^0 \rightarrow Fe^{3+} + 3e^-$: _____ because _____
- $Cu^0 \rightarrow Cu^{2+} + 2e^-$: _____ because _____
- $Cl_2^0 + 2e^- \rightarrow 2Cl^-$: _____ because _____

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Is This a Redox Reaction?

- **The Task:**
- Looking at the 10 reactions below, determine if they are redox reactions.
- Create a mini CER poster for at least 2 of the equations – use the model below to help you
- This is practice for your benefit and will not be collected

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The Reactions

Model:	$Fe_2O_3 + 3CO \rightarrow 2Fe + 3CO_2$	REDOX	NOT REDOX
1.	$HCl + NaOH \rightarrow NaCl + H_2O$	REDOX	NOT REDOX
2.	$CH_4 + 2O_2 \rightarrow CO_2 + 2H_2O$	REDOX	NOT REDOX
3.	$AgNO_3 + KCl \rightarrow AgCl + KNO_3$	REDOX	NOT REDOX
4.	$NaCl + H_2SO_4 \rightarrow Na_2SO_4 + HCl$	REDOX	NOT REDOX
5.	$Mg + 2HCl \rightarrow MgCl_2 + H_2$	REDOX	NOT REDOX
6.	$BaCl_2 + K_2SO_4 \rightarrow 2KCl + BaSO_4$	REDOX	NOT REDOX
7.	$Cu + 2\ AgNO_3 \rightarrow Cu(NO_3)_2 + 2Ag$	REDOX	NOT REDOX
8.	$HCl + CaCO_3 \rightarrow CaCl_2 + H_2O + CO_2$	REDOX	NOT REDOX
9.	$Zn + CuSO_4 \rightarrow ZnSO_4 + Cu$	REDOX	NOT REDOX
10.	$Fe + CuSO_4 \rightarrow FeSO_4 + Cu$	REDOX	NOT REDOX

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Model: $Fe_2O_3 + 3CO \rightarrow 2Fe + 3CO_2$

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#9: $Zn + CuSO_4 \rightarrow ZnSO_4 + Cu$

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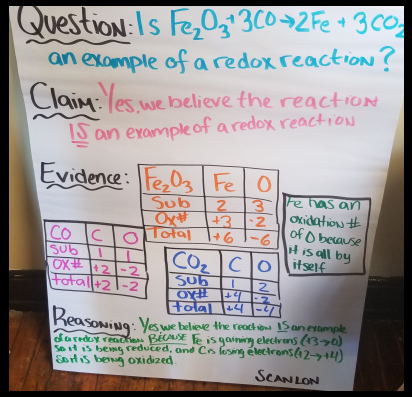
Is This a Redox Reaction?



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