

Name: _____

Period: _____

Seat#: _____

Directions: In each of the following chemical compounds, determine the oxidation states of each element.

Q#	Name	Formula	Oxidation State for Each Element
1)	Sodium nitrate		
2)	Ammonia		
3)	Zinc oxide		
4)	Water		
5)	Calcium hydride		
6)	Carbon dioxide		
7)	Nitrogen		
8)	Sodium sulfate		
9)	Aluminum hydroxide		
10)	Magnesium phosphate		

Directions: In each of the following, determine what was oxidized and what was reduced.

Q#	Reaction	Element Oxidized	Element Reduced
11)	$\text{Ca} + \text{H}_2\text{O} \rightarrow \text{CaO} + \text{H}_2$		
12)	$2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}$		