

## IDENTIFYING OXIDIZING AND REDUCING AGENTS USING OXIDATION STATES

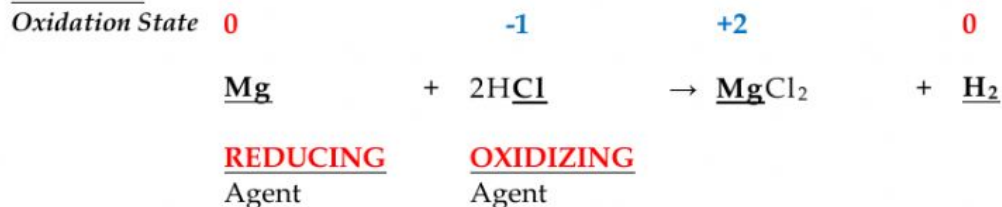
Fill in the blanks to complete the definitions below by choosing the appropriate word from the word bank below.

WORD BANK		
REDUCED	LOSE	GAIN
INCREASE	OXIDIZED	DECREASE

- 1) Oxidizing agents are themselves \_\_\_\_\_ so they show a/an \_\_\_\_\_ in oxidation state and will \_\_\_\_\_ electrons.
- 2) Reducing agents are themselves \_\_\_\_\_ so they show a/an \_\_\_\_\_ in oxidation state and will \_\_\_\_\_ electrons.

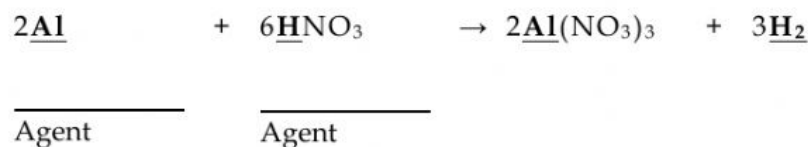
Identify the oxidation state of the underlined elements in the equations below, then state which reactant is the oxidizing agent and which reactant is the reducing agent in the spaces provided.

### EXAMPLE:

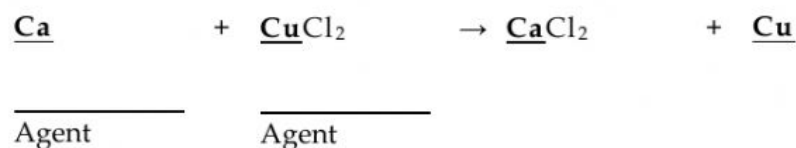


### QUESTIONS

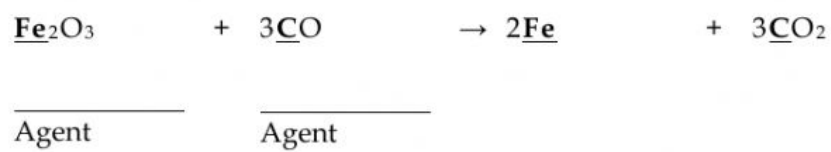
- 3) Oxidation State



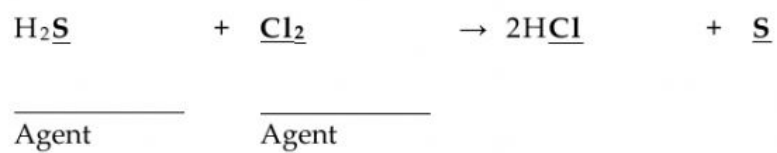
- 4) Oxidation State



5) *Oxidation State*



6) *Oxidation State*



7) *Oxidation State*

