

Name: _____

Date: _____

Unit 5 - Topic 3

Changes in Oxidation States

Assigning Oxidation States

Use the rules and examples given in the video to assign oxidation numbers to the elements in each substance below.

1. Chlorine in KClO_4
2. Nitrogen in $\text{Ba}(\text{NO}_3)_2$
3. Phosphorus in $\text{Ca}_3(\text{PO}_4)_2$
4. Manganese in LiMnO_4
5. Sulfur in Na_2SO_3
6. Chromium in CaCrO_4

LEO says GER

For each of the following reactions, assign oxidation states to ALL of the elements ("species"), draw an arrow for the species being reduced (label the arrow REDUCED), and draw a second arrow for the species being oxidized (label the arrow OXIDIZED).

