

Unit 5E Practice Questions III Determining Oxidation Number

Name:

Date:

Determine if each of the following are redox reactions. To do this, assign oxidation numbers to each element.

Remember that redox reactions are any reaction where an element _____

1.
$$2 \text{ K N O}_3 \rightarrow 2 \text{ KNO}_2 + O_2$$

2.
$$H_2 + Cu 0 \rightarrow Cu + H_2 0$$

3. Na 0 H + HCl
$$\rightarrow$$
 NaCl + H₂ 0

4.
$$H_2 + CI_2 \rightarrow 2 H CI$$

5.
$$S O_3 + H_2 O \rightarrow H_2 S O_4$$

BONUS

Draw circles around the reactants that are oxidized and squares around those that are reduced for the items above.