

## CHEM 1032 – Week 12 Questions

1. In the reaction to form NaCl, what is being oxidized?
  - a. Na
  - b.  $\text{Cl}_2$
2. In the reaction to form HBr, what is being reduced?
  - a.  $\text{H}_2$
  - b.  $\text{Br}_2$
3. What is the oxidation state of nitrogen in  $\text{N}_2\text{O}_4$ ?
4. What is the reducing agent,  $\text{BrO}_3^-$  or  $\text{N}_2\text{H}_4$ ?
5. Which electrode is being oxidized in a Zn and Cu galvanic cell?
6. Which electrode loses mass in a Zn and Cu galvanic cell?