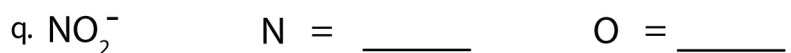
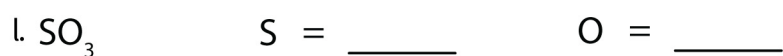
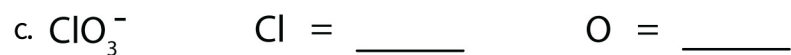
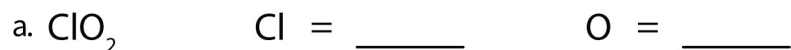


# Assigning Oxidation Numbers Worksheet

Assign the oxidation numbers for all the elements in the following ions and molecules:



# Assigning Oxidation Numbers Worksheet

## Answers

- a.  $\text{ClO}_2$       Cl = +4      O = -2
- b.  $\text{NO}_3^-$       N = +5      O = -2
- c.  $\text{ClO}_3^-$       Cl = +3      O = -2
- d.  $\text{ClO}_3^-$       Cl = +5      O = -2
- e.  $\text{SO}$       S = +2      O = -2
- f.  $\text{N}_2\text{O}$       N = +1      O = -2
- g.  $\text{ClO}_4^-$       Cl = +7      O = -2
- h.  $\text{ClO}_4^-$       Cl = +1      O = -2
- i.  $\text{SO}_2$       S = +4      O = -2
- j.  $\text{NO}_2$       N = +4      O = -2
- k.  $\text{SO}_4^{2-}$       S = +6      O = -2
- l.  $\text{SO}_3$       S = +6      O = -2
- m.  $\text{N}_2\text{O}_5$       N = +5      O = -2
- n.  $\text{NO}$       N = +2      O = -2
- o.  $\text{SO}_3^{2-}$       S = +4      O = -2
- p.  $\text{N}_2\text{O}_4$       N = +4      O = -2
- q.  $\text{NO}_2^-$       N = +3      O = -2