

### Students Worksheet – Galvanic Cell.

Below, draw a diagram of your working galvanic cell including your completed electrical circuit. Make sure to clearly label the parts of your cell including the metal strips, electrical components, and chemical solutions.

### Discussion Questions

1. Which substance is being oxidized?
2. Which substance is being reduced?
3. Based on the reactivity series, what other metals could be used to power this reaction?
  
4. Use the space below to write out the balanced redox reaction for this cell:
  
5. How would you define a voltaic cell?
  
6. Why do you think it is important to have a salt bridge connecting the two metal ion solutions?
  
7. Do you feel this would be a reliable and environmentally safe source of energy? Explain your answer.