

6. Water is being decomposed using a battery in the diagram to the right. Write the balanced equation for the decomposition of water.

- 7. Which species is being oxidized?
- 8. Write the balanced half reaction for the oxidation reaction.
- 9. How many e- are lost? _____
- 10. Is this reaction spontaneous?
- 11. What type of cell is it? _____
- 12. Label where oxidation and reduction on the diagram.
- 13. Why is more H_2 gas being formed that O_2 gas?

14. Write the overall balanced redox reaction.

