STUDENT HANDOUT

Student Name: _____

1 Vocabulary

- **Anode**
- **Cathode**
- **Hydrogen**
- **Oxygen**
- **Electrolysis**
- **Positive Polarity**
- **Negative Polarity**

2 What happens when a magnet with positive polarity is place near one with negative polarity?

3 This reaction proves that opposites _____attract_____.

4 How might this be useful when trying to separate multiple elements from one substance? (Consider water, or H20)

5 The gas on the Cathode side, or negative charge, is _____.

6 If the Cathode is a negative, the gas found must be charged _____.

7 The gas on the Anode side, or positive charge, is _____.

8 If the Anode is positively charged, the gas found must be charged _____.

9 Did gases increase with more power? If not, why not? If so, how much more?

Write your findings from sources here and on the back of this sheet. (Don't forget to include source information, like title, author, date, website, etc.)