

## Chemical Reactions Lab- Materials Sheet

### Station One

1. Magnesium ribbon (this can be cut into inch long pieces if you have time) or the kids can cut it. - If the kids are to cut it we will also need scissors)
2. Two Bunsen burners
3. Two forceps to hold magnesium in flame
4. Four colored glass plates to look through
5. Two glass plates to make sure no burning magnesium lands on lab table

### Station Two

1. One test tube rack
2. Two small test tubes
3. One bottle of .1 M silver nitrate with dropper
4. One bottle of .1 M sodium chloride with dropper
5. Waste beaker

(Note: Each group will add 10 drops of each solution to the test tube)

### Station Three

1. Small pieces of zinc metal
2. Test tube rack
3. Two small test tubes
4. One bottle of 1.0 M HCl with dropper
5. Waste beaker

### Station 4

1. Magnesium ribbon which can be cut into 10 mm lengths
2. Scissors
3. Test tube rack
4. Two small test tubes
5. One bottle of .1 M copper (II) sulfate with dropper
6. Waste beaker

### Station Five

1. One test tube rack
2. Two test tubes
3. One bottle of .1 M barium chloride with dropper
4. One bottle of .1 M sodium sulfate with dropper
5. Waste beaker

### **Station Six**

- 1. One bottle of 3% hydrogen peroxide with dropper**
- 2. Solid Manganese (IV) oxide**  
(Each group needs enough to cover the bottom of a small test tube)
- 3. Spatula to scoop out manganese (IV) oxide**
- 4. Test tube rack**
- 5. Two small test tubes**
- 6. Waste beaker**

### **Station Seven ( THIS MUST BE SETUP UNDER HOOD )**

- 1. Bottle of sulfur**
- 2. deflagration spoon**
- 3. Bunsen Burner**

### **Station Eight**

- 1. Solid copper (II) sulfate pentahydrate ( $\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$ )**
- 2. Two spatulas to scoop out copper (II) sulfate pentahydrate**
- 3. Test tube rack**
- 4. Two small test tubes**
- 5. Two test tube tongs**
- 6. Two Bunsen burners**

### **Station Nine**

- 1. Two methanol lamps**
- 2. matches or lighter**