**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Predict the products for the following reactions.**

1. C2H6 + O2🡪

2. C3H8 + O2🡪

3. C2H2 + O2 🡪

4. C8H18 + O2🡪

5. CH4 + O2🡪

**Predict the products for the following reactions. Write the reaction if you’re only given the words.**

1. Ba + I2🡪 6. Mg + Cl2🡪

2. K+ S🡪 7. Aluminum + Oxygen

3. Cesium plus sulfur 8. Ba + F2🡪

4. Ca + O2 🡪 9. Li + N2🡪

5. Sodium reacts with iodine 10. Francium reacts with phosphorous

**Predict the products and balance the equations for the following.**

1. Na + O2🡪 9. C6H12­O6 + O2🡪

2. K + F2­🡪 10. Li + S 🡪

C­3H6­ + O2🡪 11. C2­H4­+ O2🡪

4. Mg + Cl2🡪 12. Magnesium reacts with nitrogen gas

5. Al + F2🡪 13. Be + N2🡪

6 Calcium reacts with sulfur 🡪 14. Radium reacts with fluorine 🡪

7. Li + I2🡪 15. Sodium plus iodine 🡪

8. K + O2🡪