

## Worksheet 9 B -- Chemistry

Name \_\_\_\_\_

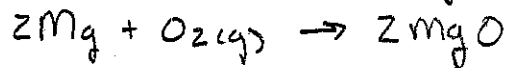
## Ch. 9 Chemical Reactions

Period \_\_\_\_\_

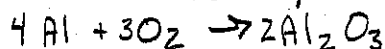
## Combustion &amp; Synthesis

**Directions:** Complete the following word equations if necessary. Then write a complete balanced chemical equation for each reaction indicated. Remember the diatomic molecules and include states when given.

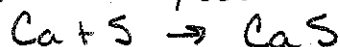
1. magnesium plus oxygen yields magnesium oxide



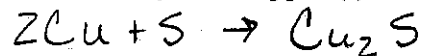
2. aluminum plus oxygen yields Aluminum oxide



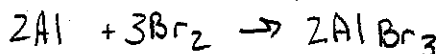
3. calcium plus sulfur yields Calcium Sulfide



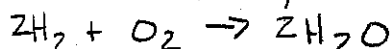
4. copper plus sulfur yields copper (I) sulfide



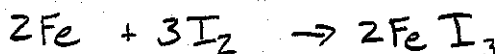
5. aluminum plus bromine yields Aluminum bromide



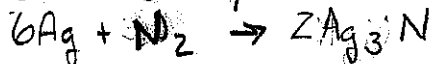
6. hydrogen plus oxygen yields water



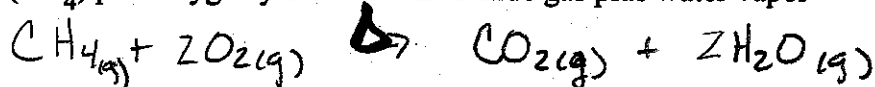
7. iron plus iodine yields iron (III) iodide



8. silver plus nitrogen yields silver Nitride



9. methane (
- $\text{CH}_4$
- ) plus oxygen yields carbon dioxide gas plus water vapor



10. heptane (
- $\text{C}_7\text{H}_{16}$
- ) plus oxygen yields carbon dioxide gas plus water vapor

