**COMBINATION reactions practice** *Choose 1 product from the list provided.*

MgO ZnS

FeCl3 SCl2

CuO AlI3

FeS CO2

PbI2 SO2NaCl H2O

This list is not exhaustive

**Observations:**  *Watch video clips or ask about the observations*

1. (i) Write a word equation for this reaction

(ii) Write a balanced chemical equation for this reaction, **including physical states.**

1. Describe all observations and link them to the chemical species responsible
2. (i) Name the type of chemical reaction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) Justify your choice of reaction type by linking the observed changes to the “definition” of the

type of reaction.

1. Discuss why this reaction occurs with reference to electron arrangements of the reactant(s) and product(s).