| Name | | | | | Period | | | | | |
|---|----------------------------------|-------|--------------------|-----------------------------------|-------------------------------------|-----------------|---------|-------------------|--|--|
| | Prep Chemistr | | | | | | | 20.7 | | |
| | ent 4E – Type the following q | | actions – Combina | ation and | i De | ecomposition | | 20 Points | | |
| Define Combination Reaction | | | | | Define Decomposition Reaction | | | | | |
| | | | | | | | | | | |
| Combination Reaction General Form | | | | | Decomposition Reaction General Form | | | | | |
| | | | | | | | | | | |
| Define Diatomic Element | | | | | Define Chemical Reaction Ratio | | | | | |
| | | | etermine the react | ion type, | w | rite the genero | al form | for the reaction, | | |
| then identify A, B, and AB from each reaction. $Ba + S \rightarrow BaS$ | | | | | $2Al + 3Cl_2 \rightarrow 2AlCl_3$ | | | | | |
| Reaction Type | | | | Reaction Type | | | | | | |
| Genera Form | | | | Gener Form | | | | | | |
| A | | В | | A | | | В | | | |
| AB | | Ratio | | AB | | | Ratio | | | |
| $3Cu^{2+} + 2PO_4^{3-} \rightarrow Cu_3(PO_4)_2$ | | | | $Pb^{4+} + O_2 \rightarrow PbO_2$ | | | | | | |
| Reaction Type | on | | | Reaction Type | | | | | | |
| Genera Form | | | | Gener Form | | | | | | |
| A | | В | | A | | | В | | | |
| AB | | Ratio | | AB | | | Ratio | | | |

| $2HF \rightarrow H_2 + F_2$ | | | | | $2NH_3 \rightarrow N_2 + 3H_2$ | | | | |
|--|---------------------|----------------------|--------------------------------|---------------|--------------------------------|---------|-------------------|--|--|
| Reaction Type | | | Reaction Type | | | | | | |
| Genera Form | | | | | General Form | | | | |
| A | | В | | A | | В | | | |
| AB | | Ratio | | AB | | Ratio | | | |
| $CaCO_3 \rightarrow Ca^{2+} + CO_3^{2-}$ | | | | | | | | | |
| | CaCO ₃ → | $Ca^{2+} + Ca^{2+}$ | CO ₃ ² - | | Zn₃PO₄ → | 3Zn + P | O4 ³⁻ | | |
| Reaction Type | on | Ca ²⁺ + (| CO ₃ ²⁻ | Reaction Type | on | 3Zn + P | O ₄ 3- | | |
| | on al | Ca ²⁺ + 0 | CO ₃ ²⁻ | | on e | 3Zn + P | O ₄ 3- | | |
| Type Genera | on al | Ca ²⁺ + 0 | CO ₃ ²⁻ | Type Gener | on e | 3Zn + P | O ₄ 3- | | |