BIOC 141 • ASHBURN MODULE 7 WORKSHEET

Balance each chemical reaction by filling in the blanks with the proper coefficients. If a coefficient is "1" then leave it blank. Classify each reaction as one of the five types.

| $\underline{\qquad} NaBr + \underline{\qquad} Ca(OH)_2 \rightarrow \underline{\qquad} CaBr_2 + \underline{\qquad} NaOH$ |
|---|
| Type of reaction: |
| |
| $\underline{\hspace{1cm}}$ NH ₃ + $\underline{\hspace{1cm}}$ H ₂ SO ₄ \rightarrow $\underline{\hspace{1cm}}$ (NH ₄) ₂ SO ₄ |
| Type of reaction: |
| .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| $C_5H_{12} + C_0^2 \rightarrow C_0^2 + H_2^0$ |
| Type of reaction: |
| |
| Pb +H ₃ PO ₄ \rightarrow H ₂ +Pb ₃ (PO ₄) ₂ |
| Type of reaction: |
| |
| $\underline{\hspace{1cm}}$ Li ₃ N + $\underline{\hspace{1cm}}$ NH ₄ NO ₃ \rightarrow $\underline{\hspace{1cm}}$ LiNO ₃ + $\underline{\hspace{1cm}}$ (NH ₄) ₃ N |
| Type of reaction: |
| |
| $\underline{\hspace{1cm}}$ NH ₄ OH \rightarrow $\underline{\hspace{1cm}}$ NH ₃ + $\underline{\hspace{1cm}}$ H ₂ O |
| Type of reaction: |
| |
| $\underline{\hspace{1cm}}$ Zn + $\underline{\hspace{1cm}}$ HCl \rightarrow $\underline{\hspace{1cm}}$ ZnCl ₂ + $\underline{\hspace{1cm}}$ H ₂ |
| Type of reaction: |
| |
| $__S_8 + __F_2 \rightarrow __SF_6$ |
| Type of reaction: |
| ••• |
| $\underline{\hspace{1cm}}$ KBr + $\underline{\hspace{1cm}}$ I ₂ \rightarrow $\underline{\hspace{1cm}}$ Br ₂ + $\underline{\hspace{1cm}}$ KI |
| Type of reaction: |

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 $\underline{\hspace{1cm}} C_2H_6 \hspace{1.2cm} + \hspace{1.2cm} \underline{\hspace{1cm}} O_2 \hspace{1.2cm} \rightarrow \hspace{1.2cm} \underline{\hspace{1cm}} CO_2 \hspace{1.2cm} + \hspace{1.2cm} \underline{\hspace{1cm}} H_2O$

Type of reaction:

 $\underline{\hspace{1cm}}$ Na₂SO₄ + $\underline{\hspace{1cm}}$ Pb(NO₃)₂ \rightarrow $\underline{\hspace{1cm}}$ PbSO₄ + $\underline{\hspace{1cm}}$ NaNO₃

Type of reaction:

 $_$ _Mg + $_$ _CuCl₂ \rightarrow $_$ _MgCl₂ + $_$ _Cu

Type of reaction:

 $\underline{\hspace{1cm}}$ N_2O_5 + $\underline{\hspace{1cm}}$ H_2O \rightarrow $\underline{\hspace{1cm}}$ HNO_3

Type of reaction:

 \longrightarrow HgO \rightarrow \longrightarrow Hg + \longrightarrow O₂

Type of reaction:

 $_$ FeCl₃ + $_$ Na₂CO₃ \rightarrow $_$ Fe₂(CO₃)₃ + $_$ NaCl

Type of reaction:

 $__CsClO_3 \rightarrow __CsCl + __O_2$

Type of reaction:

 $K + Cl_2O \rightarrow KOCI + Cl_2$

Type of reaction:

 $__SO_2 + __O_2 \rightarrow __SO_3$

Type of reaction:

 $C_2H_2 + O_2 \rightarrow CO_2 + H_2O$

Type of reaction: