Quiz 5.1 – Balancing Chemical Reactions

Name:

Balance the following chemical reactions

$$N_2(g) + H_2(g) \longrightarrow NH_3(g)$$

$$\underline{\hspace{0.5cm}} C_2H_2(g) + \underline{\hspace{0.5cm}} O_2(g) \longrightarrow \underline{\hspace{0.5cm}} CO_2(g) + \underline{\hspace{0.5cm}} H_2O(g)$$

$$H_2$$
AsO₄(aq) \longrightarrow As_2 O₅(aq) + H_2 O(l)

$$P_4(s) + O_2(g) \longrightarrow P_2O_5$$

$$FeS_2(s) + O_2(g) \longrightarrow Fe_2O_3(s) + SO_2(g)$$

$$\underline{\hspace{0.5cm}} C_3H_8(g) + \underline{\hspace{0.5cm}} O_2(g) \longrightarrow \underline{\hspace{0.5cm}} CO_2(g) + \underline{\hspace{0.5cm}} H_2O(g)$$

$$\underline{\hspace{0.5cm}} C_3H_8(g) + \underline{\hspace{0.5cm}} O_2(g) \, \longrightarrow \, \underline{\hspace{0.5cm}} CO(g) + \underline{\hspace{0.5cm}} H_2O(g)$$

$$\underline{\hspace{0.5cm}} Na_2O_2(s) + \underline{\hspace{0.5cm}} H_2O(l) \, \longrightarrow \, \underline{\hspace{0.5cm}} NaOH(aq) + \underline{\hspace{0.5cm}} O_2(g)$$

$$\underline{\hspace{0.5cm}}Zn(s) + \underline{\hspace{0.5cm}}HCl(aq) \, \longrightarrow \, \underline{\hspace{0.5cm}}ZnCl_{_{2}}(aq) + \underline{\hspace{0.5cm}}H_{_{2}}(g)$$

A Litany for Survival

By Audre Lorde

For those of us who live at the shoreline standing upon the constant edges of decision crucial and alone for those of us who cannot indulge the passing dreams of choice who love in doorways coming and going in the hours between dawns looking inward and outward at once before and after seeking a now that can breed futures like bread in our children's mouths so their dreams will not reflect the death of ours;

For those of us who were imprinted with fear like a faint line in the center of our foreheads learning to be afraid with our mother's milk for by this weapon this illusion of some safety to be found the heavy-footed hoped to silence us For all of us this instant and this triumph We were never meant to survive.

And when the sun rises we are afraid it might not remain when the sun sets we are afraid it might not rise in the morning when our stomachs are full we are afraid of indigestion when our stomachs are empty we are afraid we may never eat again when we are loved we are afraid love will vanish when we are alone we are afraid love will never return and when we speak we are afraid our words will not be heard nor welcomed but when we are silent we are still afraid

So it is better to speak remembering we were never meant to survive.