

## INSTRUCTIONS

You have been Given 20 Commonly Amino Acids found in Proteins

**1) Separate the Amino Acids into the following Groups**

- **Group 1** = Essential/Semi-Essential Amino Acids(Hint: 10)
- Group 2 = Other Amino Acids

**2) Take **Group 1** ( Essential AA) and separate them into the following Classes:**

- Aromatic Class
- Aliphatic Class
- Heterocyclic Class
- Sulfur Containing Class
- Basic Class

**3) In Group 2, there is 1 AA that is the simplest AA, What is it? Put it aside for step 4.**

**4) Match your **Colored** sheet Characteristics to each**

**Essential/Semi-Essential Amino Acid it correlates to**

- Include the Simplest AA you found from Group 2
- Some AA will have no characteristic that goes with it, Some will have multiple

**5) Which AA is Semi-Essential? Why?**

**6) So, what is the Simplest Amino Acid again? Is it Essential?**