Name_____

Vitamin C Analysis Worksheet

Data Table

Juice	Number of Drops of DCIP Added			
	Trial 1	**Trial 2**	**Trial 3**	**Average***
Vitamin C (Reference Solution)				
_____ Juice				
_____ Juice				
_____ Juice				

*Calculation

Post-Lab Questions

1. Calculate the average number of drops of DCIP needed to titrate the reference solution and each juice. Record the results in the table.

2. The reference solution contains 100 mg of Vitamin C per 100 mL of solution. Use the following equation to calculate the concentration of Vitamin C (mg per 100 mL) in each juice based on the average number of drops of DCIP required to titrate the juice versus the number of drops required to titrate the reference solution.

$$\text{Vitamin C Concentration in Juice} = \frac{\text{Average Number of Drops of DCIP (Juice)}}{\text{Average Number of Drops of DCIP (Reference)}} \times 100$$

3. Rank the juice tested in terms of their Vitamin C content, from highest to lowest.

Part II. Divergence and Rift Valley Formation
Observations/Drawings

Questions (Use a separate sheet of paper to answer the following questions.)

1. Based on your observations for Part II, describe what happens as continental plates diverge.

2. List an example of where the type of movement seen in Part II (divergence) occurs.

3. Label possible weak points in your final drawing for Part II. How is the formation of these weak points different from those seen in Part I?