(Your Lab Manual should look similar to this)

**Spinach Chromatography Lab**

**Introduction**

What is the general importance and use of chromatography?

**Data**

(Draw a picture of the color separation on your chromatography paper strip)

**Results**

|  |  |
| --- | --- |
| Color | Distance Travelled in cm |
| Orange (carotenes) |  |
| Yellow (xanthophylls) |  |
| Light green (chlorophyll a) |  |
| Green (chlorophyll b) |  |

**Analysis Questions**

(Write the answers in complete sentences, and you don’t have to write the question)

1. Why was it necessary to start with a heavy dark line of pigment on your paper strip?
2. Which pigments travelled the furthest from the start line?
3. Which pigments were the closest to the start line?
4. The pigments present in the largest quantity would have the darkest area on the strip. Which pigment was present in the largest quantity?