Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ink Chromatography Data**

The chromatography results on your filter paper should have bands of different colors. Each color represents a different pigment in the marker mixture. Fill out the following table with your results. The pigment colors should go in order starting from the bottom (for example, the color closest to the bottom of the paper is pigment #1). The distance measured for the pigments is from the start to finish for that specific color. There is space for 4 different pigments. Only fill out all 4 if you had 4 different colors.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Marker 1:\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  | **Marker 2:\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  | **Marker 3:\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  | **Marker 4:\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  | **Ransom Note** |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| # of Pigments:\_\_\_\_\_\_\_\_\_ |  | # of Pigments:\_\_\_\_\_\_\_\_\_ |  | # of Pigments:\_\_\_\_\_\_\_\_\_ |  | # of Pigments:\_\_\_\_\_\_\_\_\_ |  | # of Pigments:\_\_\_\_\_\_\_\_\_ |  |
|  |  |  |  |  |  |  |  |  |  |
| Water distance |  | Water distance |  | Water distance |  | Water distance |  | Water distance |  |
| traveled:\_\_\_\_\_\_\_\_\_\_\_\_ |  | traveled:\_\_\_\_\_\_\_\_\_\_\_\_ |  | traveled:\_\_\_\_\_\_\_\_\_\_\_\_ |  | traveled:\_\_\_\_\_\_\_\_\_\_\_\_ |  | traveled:\_\_\_\_\_\_\_\_\_\_\_\_ |  |
|  |  |  |  |  |  |  |  |  |  |
| Pigment #1: |  | Pigment #1: |  | Pigment #1: |  | Pigment #1: |  | Pigment #1: |  |
| Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Distance |  | Distance |  | Distance |  | Distance |  | Distance |  |
| Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  |
|  |  |  |  |  |  |  |  |  |  |
| Pigment #2: |  | Pigment #2: |  | Pigment #2: |  | Pigment #2: |  | Pigment #2: |  |
| Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Distance |  | Distance |  | Distance |  | Distance |  | Distance |  |
| Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  |
|  |  |  |  |  |  |  |  |  |  |
| Pigment #3: |  | Pigment #3: |  | Pigment #3: |  | Pigment #3: |  | Pigment #3: |  |
| Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Distance |  | Distance |  | Distance |  | Distance |  | Distance |  |
| Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  |
|  |  |  |  |  |  |  |  |  |  |
| Pigment #4: |  | Pigment #4: |  | Pigment #4: |  | Pigment #4: |  | Pigment #4: |  |
| Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Distance |  | Distance |  | Distance |  | Distance |  | Distance |  |
| Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  | Traveled: \_\_\_\_\_\_\_\_\_\_\_\_ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |