

**Student Sheet 17.1**

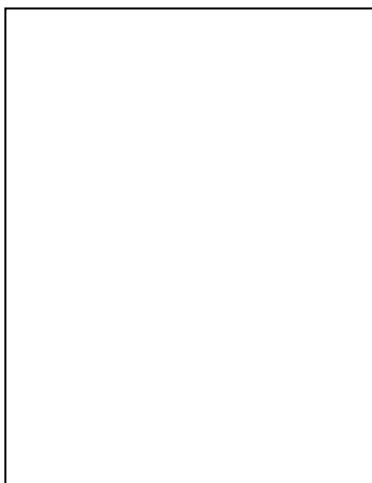
**Analyzing Inks**

Directions: Answer the questions as directed in the Procedure steps of inquiry 17.1.

1. What happened when you put the tip of the green marker into the water?


2. Read and do pg 142 in POM. Based on your observations, what do you know about the ink?


3. Draw your results on the chromatography paper below.



4. Describe in one or two sentences what you observed.


5. What can you conclude about the green ink?


**Student Sheet 17.2**  
**Comparing Inks**

Directions: Answer the questions as directed in the Procedure steps of inquiry 17.2 (POM pg. 142)

1. Draw a labeled diagram showing a procedure for comparing the composition of the inks in the green, red, black (A) and brown markers on one piece of chromatography paper.

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2. What can you say about the composition (make-up) of each color?
3. Do dyes of the same color always behave in the same way?
4. What does the answer to 3 tell you about these particular dyes?

**Student Sheet 17.3**  
**Criminal Ink**

1. How are you going to solve this crime?


2. Record the results of your investigation.


3. Who is the guilty party and why?
