Name_____

TLC Worksheet

	Distance Traveled	**Calculations**	**R_f Values**
Aspirin			
Caffeine			
Acetaminophen			
Unknown			

1. Which known substance moved the most? The least?

2. Are the spots well separated based upon their R_f values? Do you think if you had a mixture of the three substances that you would be able to separate or identify all of them?

3. Compare the size of the spots after movement through the plate compared to the initial spots. Are they larger or smaller? Give possible reason.

4. What substance(s) were in the unknown painkiller?