

Fluids  
Station #3  
Viscosity of Different liquids

Task

You are a research team of scientist that work Ink Incorporated, the world's largest manufacturer of ink. Bic, one of your greatest purchasers, has asked you to develop gel ink that flows slightly easier than what you are presently providing them with. They are having complaints that the gel ink is trapping in the tube. They also want you to make sure that it is not too runny.

Using the materials provided you must devise an accurate test to determine which substance would be best suited to be used as the new pen ink.

Materials

- 3 new pen inks of different viscosities (A, B, and C)
- 1 current pen ink (Current)
- Stop watch
- Masking tape
- Marble
- Safety goggles
- Tongs

Make sure to write your formal report for the Bic Pen Company.  
(see back side of this paper.)

# Writing a Scientific Report

When writing a formal report as a person with a scientific occupation, you may be asked to report your findings on a topic or issue. For our purposes we will use the following format to report your findings to your superior.

## Objective

- This is the purpose of the report you are writing.
- You can start the objective with, "The objective of this report is to..."

## Methodology

- This states **HOW** you are going to do it.
- You also state what scientific principles you are going to use.

## Scope/Procedure

- The exact steps you took to set up and perform your experiment.
- The steps need to be described with enough detail that another scientist could follow your instructions and reproduce your experiment.

## Conclusion

- States what you found out. (also...Data tables and graphs)
- States how you will use your test results.