

Coffee Cooling Lab

Description

This lab has students collect data on the cooling of coffee. This requires technology in the form of temperature probe, calculator based laboratories, graphing calculators, and very hot water in cups.

Prep Work

Get the following technology: temperature probe, calculator based laboratories, graphing calculators, and very hot water in cups. Print lab for each group of 2-3 students.

Instructions

- **Pre Activity**

Set up calculator based laboratories (CBL) and temperature probes.

- **Activity**

Give each group their equipment and worksheet.

Allow groups to plan their experiment and set it up in the calculator.

Pass out the hot water as groups are prepared.

Continue class while the data is collected.

Students can complete the lab in class or outside of class time.

- **Post Activity**

None

Time Required

60-90 minutes but part of this time can be used for other things while the data is collected.

This lab written by
Rodney Null
James A. Rhodes State College
Null.r@RhodesState.edu