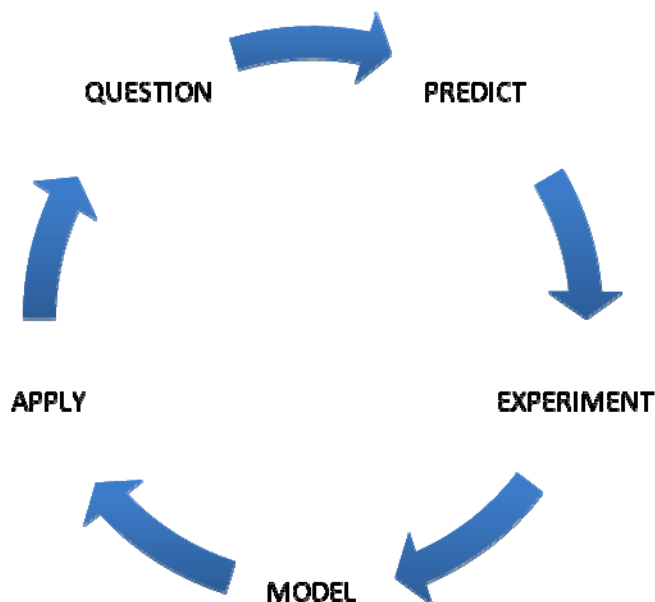




## INQUIRY TEACHING AND LEARNING

Learning by inquiry involves a cycle of questioning, predicting, experimenting, modeling or searching for answers in a way the student decides. The collection of knowledge and data is applied and tried, and new questions arise. This inquiry cycle can be used in the stem cell study by structuring the activities and labs into student discovery.

### THE INQUIRY CYCLE



Included here are materials for keeping a journal of questions, representations, and recordings of information discovered through labs, searches, reading or modeling. Using the **Interactive Notebook** style, a new page of the journal can be used for each new question.

The **Three Two One** list of observations, inferences and questions can be used within the Interactive Notebook or any kind of journal preferred. The **Double Bubble** or **Idea Mapping** format can be used in the same way.

An article, **How to Make Lab Activities More Open Ended**, is included to help the teacher modify any lesson to allow the student to make more decisions about the problems/questions encountered within the stem cell lessons.