Lesson Plan: Cells, Science & Questions

General Description
This activity introduces students to asking questions. Students examine pictures and video of unknown cells and processes and develop hypotheses or explanations for what they see. In teams, students refine their guesses. This activity makes a good introduction to the course.

Objectives
1. Students should learn the names of some fellow students
2. Instructor should establish atmosphere of welcoming student input and questions
3. Students should learn the value of generating questions
4. Students should be able to propose educated guesses or hypotheses from observations

Concepts
1. Developing questions is central to the process of science.
2. Observations are primary in developing questions.
3. Being “right” is not the most important part of science.

Time
30-40 minutes depending on the amount of student discussion.

Prerequisite Skills
None

Materials
Student handouts
Cells overhead
Cells video or DVD