

## Collaborative Strategy Scenario

**Strategy:** Advanced Organizer

**Content:** The Cell

**Title:** Basic Unit of Life

**Time Required:** 15 minutes

**Participants:** 20

**Target audience:** H. S. Biology I

**Goal of Activity:** To review prior knowledge and introduce the day's activity

**Purpose of Script:** To demonstrate the use of advanced organizers to aid in the comprehension and organization of material.

**Learning Outcomes, Gagne's Taxonomy:** Verbal Information

**Learning Outcomes, HEO Taxonomy:** Cognitive

**Entry Skills:** knowledge of the cell and its functions (previously taught material)

**Setting:** Classroom

**Media:** Overhead projector, AO handout, Internet/computer

### Process:

1. Present the following handout:  
Last week we discussed the cell and its functions. We talked about the cell being the basic unit of life. From our diagrams and drawings, we know that the cell is made up of a plasma membrane, a nucleus, organelles, endoplasmic reticulum, lysosomes, mitochondria, golgi apparatus, and plants have a cell wall. Today, we will discuss chromosomes and genes, comparing them by size:  
Earth = cell  
Country = chromosome  
State = chromosome fragment  
City = gene
2. Allow for 15 minutes of discussion about prior knowledge/information previously taught.
3. Introduce new material with internet website located at:  
<http://www.accessexcellence.org/AB/GG/comparative.html>
4. Present overhead slides for student to trace or draw

### Strategy Assessment:

Check portfolio/notebook for accuracy of notes and diagrams.