Process Drawings

Lecture Topics
This activity works well with actin treadmilling, cell signalling, cell pathways, mitosis and meiosis

Activity Type
Group work with easy student presentations facilitated by the discussion leader

Time Needed
30 minutes (minimum), or longer depending on how many different drawings the class is instructed to make

Purpose
For students to recall from memory the visual details and components of some cellular process and present their representation to the class for review.

Abstract
Groups create drawings 20-30 minutes
Groups present drawings; instructor guides, praises, corrects 10-15 minutes

Supplies
• 1 sheet of large (about flip-chart paper size) paper per group of 3 students
• an assortment of sharpies, colored pens, markers
• index cards to assign processes (optional)

Pre-class prep
• choose relevant processes to assign to student groups (several pathway types, several signalling types). Write on index cards if time.

In Class
(20-30 min) Have the students form groups of three. Pass out paper and markers to each group with an assigned process or structure. Have at least two groups working on each process to use as a comparison later on. Ask the students to draw their assigned process from memory including all aspects that they can recall, and labeling all parts.

(10-15 min) Collect all drawings (or have students tape them up on walls) before group presentations so students will not continue to work while others are presenting. Have each group describe their drawing to the class while you walk around holding the drawing up and pointing out all important components.

Things to Ask or Emphasize
• After a group has presented their drawing, ask the class if there is anything missing in the drawing that they would like to see added, and why.