

Lesson Plan: Gel Electrophoresis Poster Matching

Activity

Objective:

Using a poster and cards, students will identify important terms and concepts related to gel electrophoresis.

Assembly:

1. Enlarge and copy "Gel Electrophoresis Matching PARTS" onto 11"X17" card stock and laminate.
2. Purchase circular, adhesive Velcro stickers and attach one side (loop) to every spot where there is an arrow or an "X". There should be 11 spots.
3. Copy "Gel Electrophoresis Matching TERMS" onto 8½"X11" card stock and laminate. One "Terms" card has enough pieces for TWO posters, so you will need half as many of the "Terms" as of the "Parts" set.
4. Cut the terms into individual pieces. Apply the other side of the Velcro sticker (hook) to the back of the term pieces.

Application:

This poster matching activity can be used to introduce, reinforce or review introductory lessons/labs on gel electrophoresis. It should be used in conjunction with actual gel electrophoresis chambers so that students are clear on what the items on the poster really represent. The poster and the follow up quiz give students practice in examining multiple representations of these important concepts and terms.