



# COC Biotechnology Program

## Protein Diversity Post Lab

1. Name two reasons why vertical gel rigs give better resolution than agarose gels.
2. Define how a PAGE gel can be stratified.
3. What is the maximum concentration of agarose gels? PAGE gels? Why is a greater concentration possible in PAGE gels?
4. Why are the gel wells with the Triton 100/Laemmli X buffer placed in the middle of the gel? What does this tell us about the charge on proteins?
5. When loading a sample into the vertical gel rig, what must you be careful not to do to prevent the plates from separating?
6. With a gel of protein diversity, how can you determine what different varieties of fish the fake krab is made of?