03-344/03-345 Quiz
20 pts Names_____**KEY**_____

Draw a comparison diagram of the steps in the techniques of Sandwich Elisa, Western Blot, and Chick Immunohistochemistry. These points should be included:

- Each group member must participate, and their contribution should be represented in the diagram. i.e. diagram should reflect the work/input of all partners. This should be completed as a group, to ensure that all partners understand all three techniques.
- The diagram should accomplish the goal of showing the similarities between the three techniques—example: Antigen, Block, Primary and Secondary antibodies, enzyme, substrate, development.
- The diagram should convey how the experimental sample (protein, lysate, whole tissue, etc) is used in the technique.
- The diagram should have depth.
- Be sure that all parts of the diagram are clearly labeled.
- Make a list of the advantages/disadvantages of each technique
- **Each technique should be represented with adequate space –** multiple pages encouraged.

GRADING KEY:

- **(2 points) Conveys how the experimental sample (protein, lysate, whole tissue, etc) is used in the technique**
- **Includes key details of each technique:**
  - **(2 points) Antigen**
  - **(2 points) Block**
  - **(2 points) Primary antibody**
  - **(2 points) Secondary antibody**
  - **(2 points) Enzyme and substrate/development of stain**
- **(2 points) Similarities techniques apparent from diagram**
- **(2 points) Diagram has depth – detailed information about technique**
- **(2 points) Diagram clearly labeled and presented**
- **(2 points) Advantages and disadvantages of each technique included**

In general: 2pts for yes/complete/done well; 1pt some part missing or incorrect/needs work; 0pts incomplete/minimal effort/completely incorrect