

Name:

Date:

Class:

## Formative Assessment

### Modeling an Enzyme-Linked Immunosorbent Assay

1. How do you think capture antibodies attach to the plate during the incubation period?
2. Why do you think a patient's blood plasma may have many different kinds of antigens?
3. Can the ELISA well you prepared identify all of the various kinds of antigens present in the blood of the patient? Explain your answer.
4. A very important step performed in real ELISAs is to wash the plates between each incubation period. Why do you think it is necessary to wash the ELISA plates several times as part of the assay?
5. Describe how a negative control and positive control would differ from one another.

Name:

Date:

Class:

6. Why is it important to run controls?

7. Describe one mistake in the experiment that would lead to a FALSE negative.

8. Describe a mistake that would lead to a FALSE positive.