

## STUDENT WORKSHEET

## A Look inside the Lab: ELISA Plate Reader

**Vocabulary**

Using resources suggested by your teacher, find definitions for the terms below.

Antibody	
Antigen	
Assay	
ELISA	
Direct ELISA	
Indirect ELISA	
Sandwich ELISA	
Competitive ELISA	
Enzyme	
Immunoassay	
Microplate reader	
Primary antibody	
Secondary antibody	
Spectrophotometry	
Standard curve	
Substrate	

**Lesson Questions**

1. List the four different types of ELISAs and illustrate the order of layers for each one.
2. What is the difference between a qualitative and a quantitative ELISA?
3. Explain the importance of washing the wells between each step when conducting an ELISA.
4. How is the standard curve used to analyze the ELISA test results?