

Cow Eye Dissection: Practicum Lab

Problem: What are the structures and functions of a cow eye and how to they compare to the human eye?

Hypothesis: Describe how similar/different you think a cow eye is to a human eye. Explain your thinking.

Part 1: Practicum Stations: Answer the questions as you visit each station.

	Label ID	Questions	Drawing
1	Muscles around the eye	1. What is the <i>main purpose</i> of the muscles around the eye? 2. <i>Compare and Contrast</i> the muscles around the eye in humans to those in cows.	
2	A. _____ B. _____ C. _____	1. <i>Explain</i> why is it important for eyes to have a protective layer. 2. <i>Explain</i> how the optic nerve is essential for vision.	

<p>3</p>	<p>D. _____</p> <p>E. _____</p>	<p>1. <i>Explain</i> how the iris controls the pupil within the eye.</p> <p>2. <i>Describe</i> what is found inside the eye. <i>Explain</i> what you think may be the function of this substance.</p>	
<p>4</p>	<p>F. _____</p>	<p>1. <i>Describe</i> what you observe when you move the part of the eye across the newspaper.</p>	
<p>5</p>	<p>G. _____</p>	<p>1. <i>Explain</i> how this part of the eye and the optic nerve work together to send messages to the brain.</p>	

Part 2: Dissection Observation: As you watch the dissection, identify similarities and differences between the human eye and cow eye. After, summarize what you have learned.

Similarities

Differences

Final Summary

