



STEAM.KZ

Laboratory work #11 "Blind spot detection"

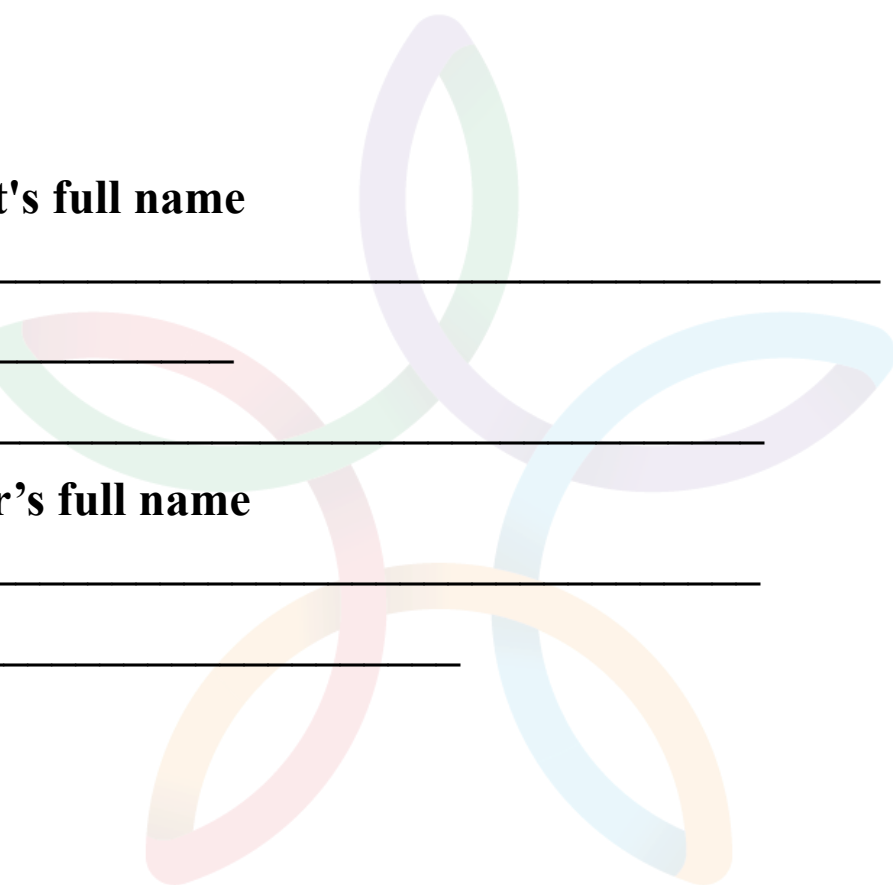
Student's full name

Class _____

School _____

Teacher's full name

Date _____



Purpose (briefly write the purpose of the laboratory work):

Hypothesis (*write an assumption for laboratory work*):

Introduction (write down the necessary theoretical data on laboratory work):

A stylized drawing of a plant with three leaves in green, red, and blue, growing from a yellow base. The leaves are arranged in a fan shape, and the base is a simple yellow oval. The drawing is positioned in the center of the page, with horizontal lines above and below it.

MATERIALS (*write down which materials, installations you used during the laboratory work*):

[illegible]

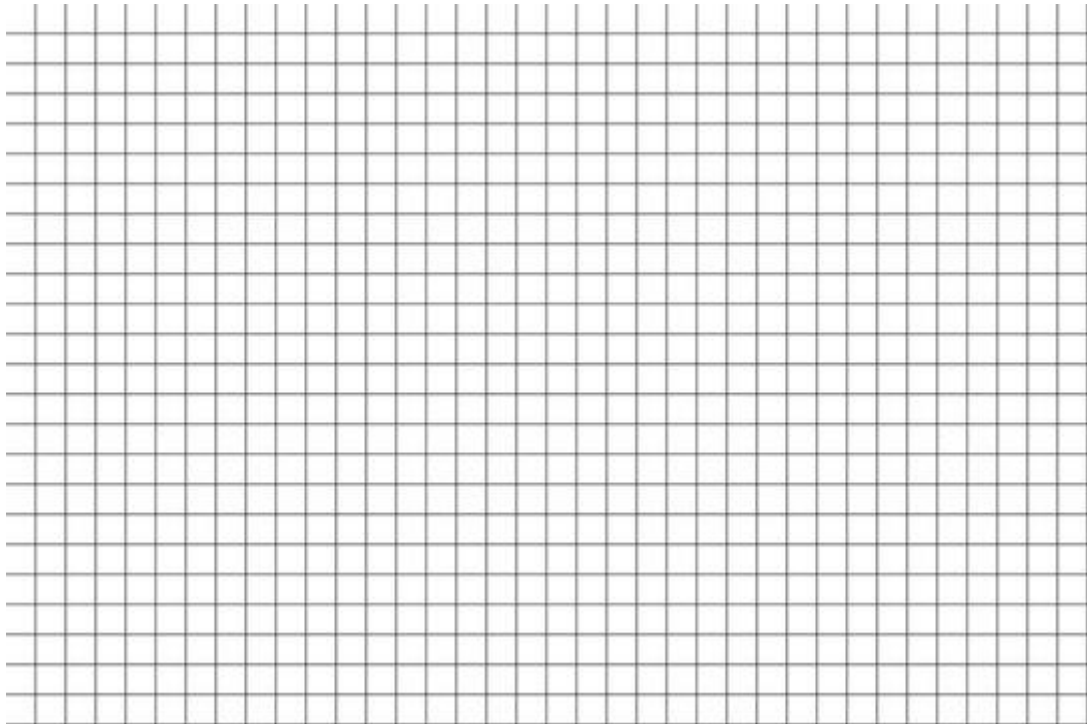
A decorative graphic consisting of three overlapping, elongated loops. The top loop is purple, the bottom-left loop is green, and the bottom-right loop is blue. They are arranged in a triangular pattern, overlapping each other.

Table 1.

	Afterimage persistence (seconds)			
Cone stimulation (seconds)	1st	2nd	3rd	Average
5				
10				
20				
30				
60				

Results (*Plot a graph from the results. Put the number of seconds you looked at the object on the x-axis and the average time the afterimage persisted on the y-axis. Call the x-axis Cone Stimulation and the y-axis Afterimage Persistence*)

Table 2.



Discussion of the results (*write the answers to the questions below*)

- *What is the longest duration of afterimage?*

- *Does increasing cone stimulation always increase the afterimage duration? Explain the term “cone cell fatigue.”*

- *How can we explain the relationship between cone stimulation duration and afterimage duration?*

- *What role do afterimages play in our everyday vision?*

Conclusion *(draw conclusions about the work done):*

