

# TEL Activity - Activity Plan-1

**Name:** *Madhusudhan Peddinti*

**Grade / Course:** *Science - Grade 10*

**Length of Activity:** *60 min*

## Lesson Description:

Human eye is a wonderful and important sense organ through which we will be able to see the world, Human eye consists of parts like the retina, cornea, iris, pupil, lens, ciliary muscles, optic nerve etc. The ability of the eye lens to adjust its focal length is called accommodation.

**TIM:** Collaborative and Entry level

## Intended Learning Outcomes

After completing this lesson student will able to

- Describe the structure of the human eye which includes parts like retina, cornea, iris, pupil, lens, ciliary muscles, optic nerve etc.
- Illustrate the power of accommodation.

## Resources/Technology

Student Laptop, access to the Internet, printer, worksheets, online quizzes.

## STUDENT ACTIVITIES

Read, review, respond, explore and self-assessment activities are listed below.

### READ

Students will watch the following video to understand the structure of the human eye and its functions.

[https://youtu.be/7HGxjs\\_aYyg](https://youtu.be/7HGxjs_aYyg)

View the powerpoint presentation up to 13 slides:

[https://www.slideshare.net/Madhusudhanpeddinti/the-human-eye-53147404?qid=63976552-37b1-4c16-b266-fdf0ad3d10cc&v=&b=&from\\_search=3](https://www.slideshare.net/Madhusudhanpeddinti/the-human-eye-53147404?qid=63976552-37b1-4c16-b266-fdf0ad3d10cc&v=&b=&from_search=3)

### REVIEW

Review the following animated video up to the duration 07:00 min to understand the Structure of the human eye and Power of accommodation.

<https://www.youtube.com/watch?v=QSvft6oDXgw>

## RESPOND

How does our eye work? What are the nature, position and relative sizes of the images formed by the lens in the eye?

## EXPLORE

Read the concepts of Structure of the human eye and Power of accommodation in the given article:

<https://www.successcds.net/Class10/science/the-human-eye-and-the-colourful-world.html>

## ASSESS YOUR OWN LEARNING

1. Download the **worksheets** from the following links and take printouts to complete.

Structure of the human eye: (Worksheet1)

<https://www.slideshare.net/Madhusudhanpeddinti/tel-activity-planhuman-eyeworksheet1>

## OR

[https://askabiologist.asu.edu/sites/default/files/resources/coloring\\_pages/pdf/aab\\_eye\\_anatomy\\_coloring\\_worksheet.pdf](https://askabiologist.asu.edu/sites/default/files/resources/coloring_pages/pdf/aab_eye_anatomy_coloring_worksheet.pdf)

Reading Comprehension: Human Eye

[https://www.abcteach.com/free/r/rc\\_body\\_senses\\_eye\\_upperelem.pdf](https://www.abcteach.com/free/r/rc_body_senses_eye_upperelem.pdf)

Functions of the parts of human eye: (Worksheet2)

<https://www.slideshare.net/Madhusudhanpeddinti/tel-activity-planhuman-eyeworksheet2>

2. Attempt **Quiz**:

[https://www.softschools.com/quizzes/science/anatomy\\_of\\_the\\_human\\_eye/quiz1624.html](https://www.softschools.com/quizzes/science/anatomy_of_the_human_eye/quiz1624.html)

<https://www.proprofs.com/quiz-school/story.php?title=label-parts--eye>

## Student Assessment

After reviewing the lesson and understanding the concepts, complete the worksheets 1 & 2 and share the photographs through WhatsApp or Google drive.

**Note:** *If printer is not available to take worksheets printouts, take A4 sheets and complete the worksheets (please draw an image or structure on the A4 sheet if required).*

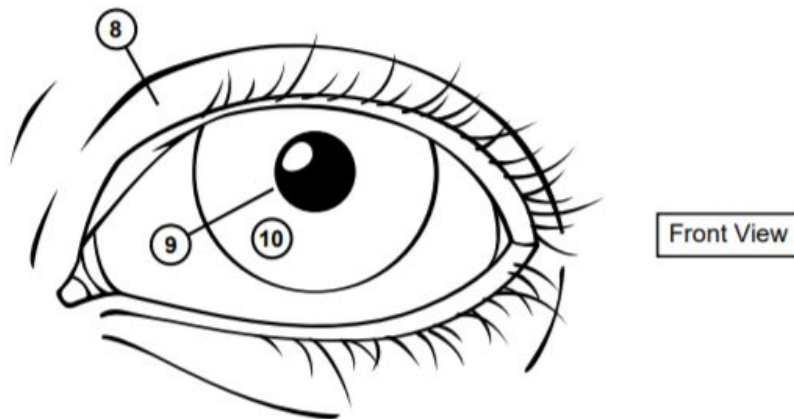
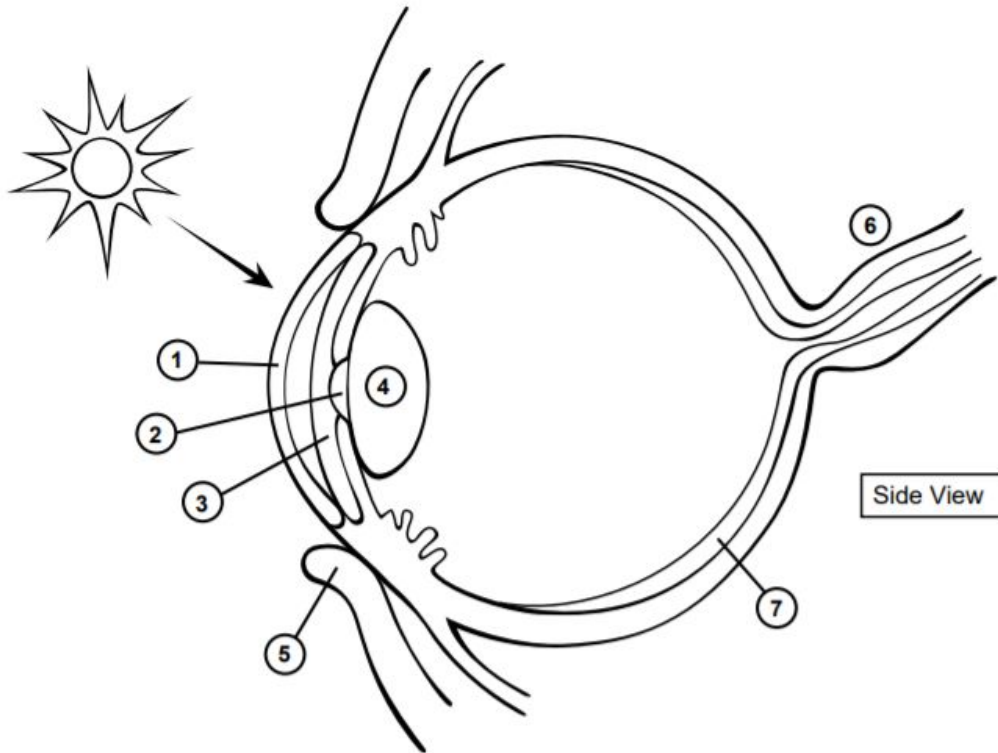
# The Structure of the Human Eye

## Worksheet-1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Label and colour the parts of the human eye:



- |          |          |          |
|----------|----------|----------|
| 1. _____ | 2. _____ | 3. _____ |
| 4. _____ | 5. _____ | 6. _____ |
| 7. _____ | 8. _____ | 9. _____ |

10. \_\_\_\_\_

**The Structure of the Human Eye  
Worksheet-2**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Write the function of parts of the human eye:**

<b>S.No</b>	<b>Parts of the human eye</b>	<b>Functions</b>
1	Pupil	
2	Iris	
3	Cornea	
4	Crystalline lens	
5	Aqueous humour	
6	Vitreous humour	
7	Retina	
8	Optic nerve	
9	Ciliary muscles	
10	Sclera	

