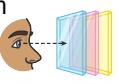
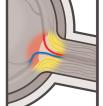


## CONCEPT: VISUAL SYSTEM: WORD BUILDING

### Structures of the Eye

- Combining forms describing structures of the eye.

Combining Form	Definition	Memory Tool
<b>ocul/o</b>	eye	bin/ocul/ars 
<b>opt/o</b> <b>optic/o</b>	eye, _____	opt/o/metry 
<b>blephar/o</b>	eye _____	Blink Far. 
<b>uve/o</b>	choroid	You've seen through layers. 
<b>ir/o</b> <b>irid/o</b>	_____	Iridescent iris. 
<b>cor/o</b>	_____	Black core of the iris. 

Combining Form	Definition	Memory Tool
<b>cycl/o</b>	_____ body	Cyclic silly muscle. 
<b>phac/o</b> <b>lent/o</b>	_____	"Phocus" lens. 
<b>papill/o</b>	optic _____	Optic nerve pops in. 
<b>dacry/o</b> <b>lacrim/o</b>	_____	Don't cry crimson eye. 
<b>chromat/o</b>	_____	poly/chromat/ic 

### EXAMPLE

Fill in the blanks for following.

- \_\_\_\_\_ : dacryoma.
- Paralysis of ciliary muscle: \_\_\_\_\_.
- Swelling of optic disk: \_\_\_\_\_.

### PRACTICE

Match each definition with correct term.

- \_\_\_\_\_ Unequal pupil size.
- \_\_\_\_\_ Eyelid drooping.
- \_\_\_\_\_ Surgical removal of a portion of the iris.
- \_\_\_\_\_ Pertaining to eye.

- Blepharoptosis
- Ocular
- Heterocoria
- Iridectomy
- Anisocoria

## CONCEPT: VISUAL SYSTEM: WORD BUILDING

### Functions and Pathology

- Combining forms describing functions and pathology of the visual system.

Combining Form	Definition	Memory Tool
<b>ambly/o</b>	dull, _____	Ambient dim lighting. 
<b>dipl/o</b>	_____	Dipl/oid cell. 
<b>emmetr/o</b>	correct, proper	Aim it correctly. 
<b>stigmat/o</b>	_____	Pointy Sting. 
<b>mi/o</b>	lessening, _____	Small millipede. 
<b>mydr/i</b>	widen, _____	Mighty wide eye. 

Combining Form	Definition	Memory Tool
<b>nyctal/o</b>	_____	nocturnal 
<b>presby/o</b>	_____ age	Pressed by time. 
<b>vitre/o</b>	glassy	Vision orb. 
<b>glauc/o</b>	_____	glauc/oma 
<b>goni/o</b>	_____	hexagon 

### EXAMPLE

Fill in the blanks for following.

1) Mydriatic refers to an agent that \_\_\_\_\_.

2) Medical condition in which the pupil is \_\_\_\_\_ or constricted is called miosis.

### PRACTICE

Instrument used to measure the anterior chamber angle of the eye is called

- Optometry.
- Goniometer.
- Optometer.
- Goniometry.

## **CONCEPT: VISUAL SYSTEM: WORD BUILDING**

### **Suffixes and Prefixes**

- ◆ Commonly used suffixes and prefixes.

Suffix/Prefix	Definition	Memory Tool
<b>-opia</b>	_____	<b>Oops</b> I can't see. 
<b>-opsia</b>	condition	
<b>-tropia</b>	condition (Describes conditions of eye misalignment.)	<b>tripping</b> 
<b>-pexy</b>	surgical fixation	<b>Epoxy</b> 
<b>my-</b>	_____	<b>My</b> eyes are closing. 

### **EXAMPLE**

Fill in the blanks for following.

- 1) Achromatopsia is also known as \_\_\_\_\_.
- 2) A condition in which one or both eyes are turned inwards (eso-) is known as \_\_\_\_\_.

### **PRACTICE**

Condition which makes seeing in low light or at night difficult, also called night blindness.

- a) Nocturnal blindness.
- b) Amblyopia.
- c) Photopsia.
- d) Nyctalopia.