

The Eye pg 470 - 477

1. Copy the Diagram of the Eye on page 470 and label it

2. Describe the purpose of the... page 470 - 472

Term	Purpose
Pupil	
Cornea	
Iris	
Retina	
Ciliary Muscles Figure 12.9	
Photoreceptors	
Rod cells	
Cone cells	
Optic Nerve and blind spot	

3. Page 473

4. How can almost any focussing problem be improved?

5. What causes the focussing problems of teenagers?

6. What happens to lenses of many adults as they get older?

7. Describe the following vision problems and provide the solution to to the problem (include diagrams).

a. Far sightedness

b. Near sightedness

c. Astigmatism

8. When is a person considered blind compared to legally blind

9. What is colour blindness?

Technologies and Light – page 482

1. When lenses are used what is the benefit for using either large or thin lenses?
2. What is the problem with all lenses and why are mirrors used instead?
3. Compare the parts of a camera to the structure of the eye.
4. What is the difference between the telephoto and the wide angle lens?
5. What causes red eye?
6. Describe the difference between compound and confocal microscopes.
7. Describe the difference between refracting and reflecting telescopes.
8. Why do telescopes get so large?
9. Provide the English word associated with the following terms:
 - a. -scope
 - b. Micro-
 - c. Tele-
 - d. Peri-