Quiz E  
Name: _____________________  

Cogs 17  
PID: _____________________  

1) Photoreceptors transduce light into _________________ ________________. (1pt)  

2) T or F - Photoreceptors continually release neurotransmitter molecules that excite bipolar cells. (.5pt)  

3) ______________ operate more efficiently in bright light, and ______________ are responsible for vision in dim light. (1pt)  

4) Decreased activity of a cell in the visual system caused by light stimulation of its neighbor cell is called: (1pt)  
   a. Mutual inhibition  
   b. Lateral suppression  
   c. Mutual suppression  
   d. Lateral inhibition  

5) The fovea is the area of greatest acuity, because it has the highest concentration of ________________. (1pt)  
   a. Rods  
   b. Ganglion cells  
   c. Cones  
   d. Amacrine cells  

6) The right nasal retina corresponds with the left/right side of visual space, and the left/right primary visual cortex. (2 pts)  

7) How many layers does the LGN have? (.5pts)  

8) Extra Credit: What is the photopigment in rods called? (1pt)  

9) Please give a short description of the difference between on-center surround cells and off-center surround cells, and their function in the visual system. (3pts)