**After Images**

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

1. Stare at the dot in the center of the squares while you count to 30 by 1000’s. After you’re done, look at a blank white sheet of paper (back of this sheet). What do you see? Describe or draw what you saw. *If you don’t see a fairly clear color image, you probably need to stare for 45 seconds and make sure you never let your eyes stray from the dot.*
2. Now stare at the circles page for 30- 45 seconds and then look at the blank sheet and describe or draw what you see.
3. Stare at the rectangle with three circles for 30-45 seconds and then describe or draw what you see.
4. Create an American flag that will show the after image in red, white and blue. (use your white sheet of paper.)
5. Read the description of why after images work. Now reword it in a way that an elementary student can understand it. It is written at a fairly high level so may take several readings to sort through. *Note*: This is something you’ll find yourself having to do as a teacher all the time and it’s not an easy skill!
6. Compose a drawing of your choice (maybe a car or flowers) that looks best as an afterimage. (back of this sheet)
7. What are the primary colors – what colors do printers use?
8. How can only three colors make all the colors?
9. What is a color compliment?
10. What is the compliment of yellow? (try the color wheel under ”Subtractive color” on Wikipedia)
11. How about for red?
12. Read the main section of the Wikipedia article on subtractive color and write a description an elementary student could understand.
13. What is the afterimage color for red? How about for yellow?
14. Why is the afterimage color the same as the compliment color?
15. Rewrite your description from 5 above using the idea of compliments to help explain what is happening with a person’s vision when they see an afterimage.