

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

Section: \_\_\_\_\_

For this lab write-up you will need

- Two or three of the UV sensitive beads
- A cup of water
- Some sunglasses
- Some articles of clothing

*(Note: 10 points deducted from assignment for not returning the beads)*

What color are the beads when you are inside a building, far from the windows? (2 points)

What happens when you take the beads outside during the day (needs to be mostly sunny)? (2 points)

Do the beads change color if you are inside and put them next to a window? Is it as quickly as when you take them outside? (2 points)

Go outside with items listed above. Keep the beads covered while outside then drop them in the glass of water. Do they change color? How quickly? (3 points)

Take the beads out of the water and cover them for a few minutes. Uncover the beads but place a pair of sunglasses between them and the Sun. Do the beads change color? How quickly? (3 points)

Test how well different articles of clothing (ranging from a thin Tshirt to jeans or pants to a coat) block UV light from reaching the beads and record your observations here. (3 points)

Bonus Question: Can you find any artificial sources of UV light on campus or where you live? What are they? (1 point for each source)