



In this FACTivity, you will conduct an experiment to test the different amounts of UV radiation. Compare your results with the results of the scientists in this study. For this FACTivity, you will need UV detection beads. Divide UV detection beads into six different plastic petri dishes.

Place one petri dish in each of the areas listed below.

1. Sunlit area under a tree (with leaves).
2. Shady area under a tree (with leaves).
3. Sunny area right next to a tree, but not directly under the tree.
4. Sunlit area under a tree with a building nearby.

5. Shady area under a tree with a building nearby.
6. Any other area you would like to compare.

Observe what happens to the UV detection beads placed in these areas and then record your results in the following table.

Were your results similar to the scientists' results in this study? If not, why do you think there is a difference?

Teachers—

UV detection beads are inexpensive and can be ordered from vendors on the Web. Search on "UV detection beads."

Placement of UV Detection Beads	Time of Year (Winter, Summer, Spring, Fall)	Observations
Sunlit Area Under a Tree (With Leaves)		
Shady Areas Under a Tree (With Leaves)		
Sunny Area Right Next to a Tree, but not Directly Under the Tree		
Sunlit Areas Under a Tree With a Building Nearby		
Shady Areas Under a Tree With a Building Nearby		
Any Area of Your Choice		