

Name _____

Class/Date _____

Solar Energy Bead

Student Worksheet

Conduct experiment with a group and complete the lab sheet with your observations.

Experiment	Instructions	Observations
Sunny Day	Lay one purple UV bead on a paper plate exposed to the sunlight.	
Sunny Day Sunscreen 8	Put a dab of sunscreen 8 in a zip lock bag. Place one purple UV bead in the bag. Roll the bead until it is covered with the sunscreen. Place on a paper plate. Expose to the sunlight.	
Sunny Day Sunscreen 30	Put a dab of sunscreen 50 in a zip lock bag. Place one purple UV bead in the bag. Roll the bead until it is covered with the sunscreen. Place on a paper plate. Expose to the sunlight.	
Sunny Day Sunscreen 80	Put a dab of sunscreen 80 in a zip lock bag. Place one purple UV bead in the bag. Roll the bead until it is covered with the sunscreen. Place on a paper plate. Expose to the sunlight.	

Describe the differences you saw in the reaction of the beads between the three categories of sunscreen.

What effects will UV rays have on your body?

What can you do to protect yourself from harmful UV radiation?