

Title: Glowing Germ: Fluorescent Lotion

Unit: 10.3 Prevention, Control, and Treatment of Diseases

Instructions:

1. Place a small amount of lotion on something in the lab/ class room that a lot of students will touch.
 - a. Ex. Door knob, computer keyboard, desks etc...
2. Conduct class lesson as usual
3. At end of class turn off the lights and shine an ultraviolet light on the items that were covered with the lotion. Contaminated areas will glow bluish- white
4. Dispose of bottle in a solid waste receptacle

Materials

Glowing Germ available from Flinn Scientific, Inc.

Catalog No.	Description
AP9080	Glowing Germ Demonstration kit
AP9030	Ultraviolet light source, 18"

Teaching significance:

1. Will demonstrate why eating and drinking in the lab setting should not be allowed
2. Illustrates the spread of bacteria and other microorganisms.
 - a. Students will be more likely to follow directions concerning sterile techniques.
3. Can also be used in forensic studies which spark student creativity
4. Demonstrates necessity of proper hygiene.
 - a. Demonstrates the importance of washing your hands, covering your mouth when you cough or sneeze, and maintain a sufficient level of personal hygiene.