



LEARNING HOW LIGHT WORKS



Fluorescence

And

Phosphorescence



NAME _____

TEACHER'S NAME _____

SCHOOL _____

Observations

ACTIVITY 1: Fluorescence

For each material, predict what you think you will see when you shine the ultraviolet (UV) light on the material. Then do the experiment and record what you see.

Material	What you think you will see	What you see when the UV light shines on the material



ACTIVITY 2: Phosphorescence

For each color light, predict what you will see when you shine the light on the phosphorescent (glow in the dark) material. Then shine the light on the material, turn the light off and report what you see.

Light Color	What you think you will see	What you see

QUESTIONS:

1. What do fluorescent materials do when UV light shines on them?
2. Why do some colored lights make the phosphorescent material glow and some don't?
3. How are fluorescence and phosphorescence different?