



# LEARNING HOW LIGHT WORKS



# Polarized Light Art

NAME\_\_\_\_\_

TEACHER'S NAME\_\_\_\_\_

SCHOOL\_\_\_\_\_



## Observations

### ACTIVITY 1:

What happens when you rotate the sunglass lens (or polarizing filter)?

How many times does the light dim in a complete rotation? ( $360^\circ$ )

### ACTIVITY 2:

What other things in your room reflected polarized light (reflections went from bright to dim when you rotated the polarizer in front of your eye)?

### ACTIVITY 3:

**Prediction:** What will you see when you look through two polarizers and just rotate one of them?

---

**Observation:** What did you see when you looked through two polarizers and rotated one of them?

---

**ACTIVITY 4:**

Describe what you saw when you looked through the polarizer at a piece of tape on the laptop or TV. What colors did you see? Did the colors changed if you rotated the polarizer?

**CONCLUSION:**

What does it mean when people say light is polarized?