

Name: _____

ULTRAVIOLET LIGHT ART ACTIVITY

1. Select flat shapes and arrange them on a 4"x 6" sheet of light-sensitive paper, blue side up. Work quickly, while casting a shadow over the light-sensitive paper by positioning your body or cardboard in the path of the sun.

2. Carefully place your paper with the arranged shapes under a sheet of clear plastic in direct sunlight. The sheet of plastic will flatten the shapes and hold them in place during exposure.

3. Expose the paper until it turns white, generally 3-5 minutes. (If it's a cloudy day, you will need to expose for longer.)

4. While the paper is being exposed to sunlight, note:

a) what shapes did you use?

b) approximately how long did it take for your paper to turn from blue to white?

c) did all the papers seem to turn white at a similar rate?

5. Remove your paper from under the plastic sheet and lift the shapes off the paper.

6. Rinse the exposed paper in a tray of water for 3-5 minutes.

7. While the paper is being rinsed, observe:

a) When you first removed the shapes from the paper, were the shapes blue or white?

b) As the paper is rinsed, what changes?

8. Remove your paper from the water, gently blot water with paper towels, and leave the paper flat to dry. Do not stack the wet papers!

9. Compare the prints (wet or dry):

a) Were the more white areas exposed or protected from light?

b) Why are some protected areas less white, appearing more pale blue?

c) Hypothesize why the exposed areas are not the same blue on every student's paper.