



Name: _____

Experiment 1: UV beads change colour in ultraviolet light

Aim

To investigate if UV beads change colour in sunlight and artificial light.

Hypothesis

When UV beads are put in ultraviolet light they change colour.

The independent variable is the presence of UV light the dependent variable is changing colour.

Materials

- 12 beads per group
- container for beads,
- material to cover beads
- a lamp or artificial lighting

Steps

1. Place 6 beads in two different boxes
2. Cover with material to protect before going out into the sunlight
3. Go to a sunny spot and take the cover off one set of beads
4. Repeat inside away from a window using an artificial light such as a table lamp

Results

Record your results. For example you could complete the sentences below.

In sunlight the beads _____

In artificial light the beads _____

Conclusion

UV beads change colour in sunlight and not in artificial light. Both of these light sources have visible light but sunlight has ultraviolet light as well. This means that the beads change colour in ultraviolet light.