**Intro Activity Handout**

**Research**

|  |
| --- |
| Write down your qualitative observations of the beads: |

**Background** **Electromagnetic Spectrum Section (from UV to IR)**

 *Short Wavelengths Long Wavelengths*



*Ultraviolet Visible light Infrared*

 *(UV) (IR)*

**Questions**

*What type of sunlight/light waves caused the beads to change colors?*

|  |  |  |
| --- | --- | --- |
| Was it UV? | Was it visible light? | Was it infrared? |

*Define the following:*

|  |  |
| --- | --- |
| Fluorescent | Phosphorescent |

*What type of sunlight/light waves caused the powder to change colors?*

|  |  |  |
| --- | --- | --- |
| Was it UV? | Was it visible light? | Was it infrared? |

*Is the powder fluorescent or phosphorescent? How do you know?*