

ELECTROMAGNETIC RADIATION SUPERHEROS

There are seven types of rays that we acknowledge that surround us here on and outside of Earth. These rays can be **non-ionizing**, where they are least likely to cause significant damage to human cells or **ionizing** where they do cause significant damage. Your job is to determine the level of destruction of that ray through the creation of a superhero.

Instructions:

1. In a group of seven each of you divide out one of the seven rays.
2. Create a superhero associated with your ray.
3. Define what is that ray's superpower and how much energy the superpower produces.
4. Determine how that superpower can be harmful and helpful to living organisms (animals, plants, fungi, bacteria).
5. Review all your group's drawings and record each ray's definition, advantages, and disadvantages.

Types of Rays:

- **non-ionizing**-Radio, microwave, infrared, visible light,
- **ionizing**-UV, X-ray, Gamma

Checklist

1. Defined your ray.
2. Superhero character has a minimum of four colors.
3. Illustrate your ray using its superpower.
4. Wrote at least one paragraph explaining how the costume and superpower is related to the advantage(s) of that superhero and what would be that ray's kryptonite(disadvantage)?