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|--------------------------------------------------|----------------|
| Student's name:                                  | Class/Section: |
| Subject: Physics                                 | NGSS: HS.PS4   |
| Lesson Title:                                    | Date:          |
| <b>Objective: Identify Electromagnetic waves</b> |                |



**Q1:** what are electromagnetic waves? And define the term "Light".



**Q2:** Explain: how can we see objects?

**Q3:** how can we see different colored objects?

**Q4:** Arrange the following colors according to their wavelengths from the longest to the shortest wavelength. (Move the labels to their correct position).

Shorter  $\lambda$ Longer  $\lambda$ 

Green

Blue

Red

Violet

Yellow

|   |   |   |   |
|---|---|---|---|
| — | — | — | — |
|---|---|---|---|

  $\lambda$ 
  $\lambda$ 

| Comment | Strength | Improvement | Response |
|---------|----------|-------------|----------|
|         |          | Next time,  |          |

**Value:** Charity in schools fosters empathy and social responsibility among students, promoting a sense of community and altruism. Inside classrooms, incorporating charity initiatives cultivates a culture of giving, teaching students the importance of compassion and making a positive impact on the world around them.