



## Magic Beads Exploration

Name \_\_\_\_\_

In this exploration, our overall objective will be to better understand the nature of light energy. In doing so, our efforts will focus on describing the behavior of some rather strange “magic” beads that sometimes act like they are beautiful and sometimes like they are dull and boring. Your job is to try to figure out and explain what it is that causes the beads to be beautiful or boring.

### Procedure:

1. Closely observe your beads and write down some adjectives that describe the beads:

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2. Place the beads on the pipe cleaner and form it into a bracelet that you can wear on your hand.

3. Predict 1-2 things that you could do to change the beads. If possible, test your predictions to see if they are supported.

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4. You will observe your beads in different places during the next hour. Make sure to write down your observations from at least 4 different times and places.

Time	Place	Description of Beads

Reflection:

1. Explain what you think it that causes the beads to be boring and what you think causes them to be beautiful. Write down your explanation and then draw a picture to help other people to understand your explanation.

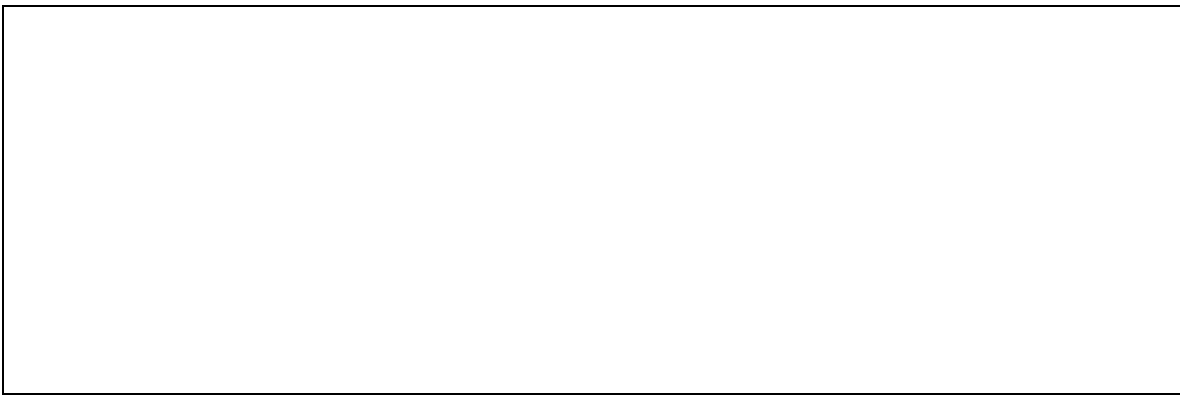
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Drawing of your explanation:



2. Think of 1-2 ways that you could experiment with your beads in order to learn something new about them. Write down the steps that you use to do your experiment. If time permits, try the experiment and see if the results support your ideas.

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