Rubric for EM Spectrum model

5th and 6th science

**10 points** will be given for color and creativity. Every model should be neat and orderly. Every picture MUST be colored. Models that are only partially colored or are messy will only receive 5 points. No color, lots of eraser lines, and disorderly models will receive 0 points.

**10 points** will be given for all seven types of waves listed at the top of your paper. They must be in the correct order. If you have 4 to 6 waves in order, you will receive 5 points. Three or less will receive 0 points.

**10 points** will be given for drawing an actual wave. This wave should be at the bottom of your paper. The wavelength should be drawn appropriately according to size. Waves that are not sized appropriately will be given 0 points.

**5 points** will be given for each of the seven wavelengths that are labeled with the appropriate size. You must write out an example of the size of the wavelength. For example, a radio wave is the size of a building or football field. This should be at the bottom of your paper on your actual wave that you drew. If your actual wave is not labeled OR does not have an example will receive 2 points. If you do not label the size AND do not have an example, you will receive 0 points. (**35 points total**)

**5 points** will be given for drawing at least two pictures pertaining to each of the seven types of waves. One picture for each wave will receive 2 points. No picture will receive 0 points. (**35 points total**)

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The following rubric must be attached to your model!!**

5th and 6th grade science test—Electromagnetic Spectrum

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|  | Full credit | Partial credit | No credit |
| Color and creativity | **10 points** will be given for color and creativity. Every model should be neat and orderly. Every picture MUST be colored. | Models that are only partially colored or are messy will only receive 5 points. | No color, lots of eraser lines, and disorderly models will receive 0 points. |
| Waves listed at the top | **10 points** will be given for all seven types of waves listed at the top of your paper. They must be in the correct order. | If you have 4 to 6 waves in order, you will receive 5 points. | Three or less waves will receive 0 points. |
| Drawing an actual wave | **10 points** will be given for drawing an actual wave. This wave should be at the bottom of your paper. The wavelength should be drawn appropriately according to size |  | Waves that are not sized appropriately will be given 0 points. |
| Actual wave labeled with size and example  **(35 total points)** | **5 points** will be given for each of the seven wavelengths that are labeled with the appropriate size. You must write out an example of the size of the wavelength. For example, a radio wave is the size of a building or football field. This should be at the bottom of your paper on your actual wave that you drew | If your actual wave is not labeled OR does not have an example will receive 2 points. | If you do not label the size AND do not have an example, you will receive 0 points. |
| Pictures representing each wave  **(35 total points)** | **5 points** will be given for drawing at least two pictures pertaining to each of the seven types of waves. | One picture for each wave will receive 2 points. | No picture will receive 0 points. |