Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_\_\_

Purple **Station 5: Electromagnetic Spectrum**

**Pre-activity question:** What kind of electromagnetic radiation have you been exposed to this year?

Today?

**Part 1:**You will be creating colored model of the electromagnetic spectrum using the following resources. Your diagram needs to include the kinds of radiation with an example and definition.

1. 1. Watch the following video: BrainPop: Electromagnetic Spectrum

-Go to “brainpop.com”

-In the search box type “electromagnetic spectrum”

-Login : stout 1 password: falcon

**Part 2:**

**Task**: Using the Chromebooks, you and your partner are going to participate in a self-guided online tour of the Electromagnetic Spectrum. As you go through the “tour,” you are going to add information on the Electromagnetic Spectrum you are creating

**Task Steps:** .

1. Log onto the Chromebook, open an internet tab, and type in the following web address: <http://earthguide.ucsd.edu/eoc/special_topics/teach/sp_climate_change/p_emspectrum_interactive.html>

2. Read / go through the self-guided tour with your partner.

3. Add information to your Electromagnetic Spectrum:

-The information you add should include written descriptions AND diagrams for each type of radiation

**Part 3** Answer the following questions using complete sentences and a restate on your model.

1. Which type of radiation (on the Electromagnetic Spectrum) do you think is the MOST harmful to humans? Provide evidence from the self-guided tour, videos, and/or readings.