**Earth Science *ANSWER ON YOUR OWN SHEET!!***

**EM Spectrum & The Big Bang**

**Review all notes, labs, and worksheets!**

1. List the forms of electromagnetic radiation. Which have the highest energy? Longest wavelengths?
2. List the colors of visible light in order from longest to shortest wavelength.
3. What does color tell us about a star? List the sequence of star colors form hottest to coolest.
4. What information does a star’s spectrum offer about the star?
5. What is parallax? How is it used? Why isn’t parallax useful for distant objects?
6. What is star magnitude? What is the difference between absolute and apparent magnitude?
7. What is the magnitude of a bright star? A dim star?
8. What elements make up most of the universe?
9. What is the Doppler Effect? What do red-shift and blue-shift mean? What do these shifts tell us?
10. Sketch a graph of Hubble’s law. What is its relationship to the Big Bang theory?
11. What is the Big Bang theory? What evidence do we have to support the Big Bang theory?
12. How old is our universe?

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