

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

Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Worksheet: ESRT Review

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Directions- Use the Earth Science Reference Tables to help you answer the following questions.

### Electromagnetic Spectrum

1. What has the largest wave length?
2. What has the smallest wavelength?
3. Which color of visible light has the smallest wave length?
4. What part of visible light has the largest wave length?
5. What part of the electromagnetic spectrum is on either side of visible light?

### Luminosity and Temperature of Stars

1. What is the most massive type of stars?
2. What is the name of the smallest star on the Luminosity and Temperature of Stars chart?
3. How many times more luminous is Aldebaran than our Sun?
4. What is the approximate temperature of Polaris?
5. Name three stars that are apart of the main sequence?
6. The hottest stars are what color?
7. The coolest stars are what color?
8. Betelgeuse is how many times brighter than our Sun?
9. What is luminosity?
10. What is the temperature of our Sun?

### Solar System Data

1. What is the period of rotation of the Sun?
2. What is the mean distance of Mercury from the Sun?
3. What is the period of revolution of Venus?
4. What is the eccentricity of Mars's orbit?
5. Which planet has the largest mass?
6. What is Saturn's density?
7. What is Uranus's mass?
8. What is Earth's equatorial diameter?
9. What is bigger (larger equatorial diameter) the Moon or Mercury?
10. Which planet has the most eccentric orbit?