Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_ Table:\_\_\_

**HR Diagram Notes**

EQ: How do we use an HR diagram to determine what stage a star is in?

Go to my website: <http://tokaysc6.weebly.com> and find unit 2

**Part I: Cosmos HR-Diagram**

1. Who developed the HR Diagram?
2. What is plotted on an HR Diagram?
3. What are the three main regions on the HR Diagram?
4. On the diagram, where do the main sequence stars stretch in terms of temperature and luminosity?
5. On the diagram, where are the Red Giants and Super Giants in terms of temperature and luminosity?
6. On the diagram, where are white dwarfs in terms of temperature and luminosity?

Click on the words to define the following terms

1. Define luminosity.
2. Define Absolute Magnitude.

**Part II: Interactive HR Diagrams**

Click on the Interactive Lab

1. When you first open the link, it tells you that stars do not zig-zag in space. What is changing during the star’s life cyce?
2. Hit the next button to view each stage and how the star moves in the HR Diagram. List the stages.

Click on the more HR diagram fun. If you answer the question correctly, it will allow you to move to the next question. Show your teacher when you reach the slide that says: That’s right, you have completed all the questions and you will receive a stamp.

Move on to the HR-Diagram Worksheet