# Hr Diagram Questions With Answers

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# **Hr Diagram Questions With Answers**

HR Diagram Quiz - Unit 1. Use the HR Diagram on the next slide to answer the following questions. Please note that there are four quadrants that have the letters A-D on them. Each letter represents a section - which could be the correct answer. 1. Stars that are hotter tend to be which color? Blue.

#### HR Diagram Quiz - Unit 1

H-R DIAGRAM PRACTICE Using the diagram on page 626 from your book, identify the following groups of stars as they appear on the Hertzsprung-Russell Diagram and answer the questions below: 5. All of the following stars are considered "Main Sequence" stars except \_\_\_\_\_. a. 1 b. 2 c. 4 d. 6 6. Which of the following stars would be the ...

# **HR DIAGRAM PRACTICE - Georgetown High School**

The H-R Diagram is like the periodic table of stars. Simply knowing how to read it will tell you everything you need to know about a star. Average score for this quiz is 6 / 10.Difficulty: Average.Played 1,383 times. As of May 19 19.

#### H-R Diagram Quiz | 10 Questions - Fun Trivia Quizzes

These are some suggested answers for the questions asked on the student sheet. Part One. What variables does the HR Diagram compare? Luminosity and temperature; Describe why it is possible to relate the temperature of a star to its luminosity, or brightness. Stars that are hotter should be brighter than stars that are cooler.

# Stars and the Hertzsprung-Russell Diagram Teacher Sheet ...

H-R Diagram Quiz A Name\_\_\_\_ Class\_\_\_\_ Use your H-R Diagram to answer these questions: 1. Which star is hotter? Spica or Altair? 2. Which star is bigger? Regulus or Sirius? 3. Which star is brighter? Altair or Polaris? 4. Which of the following is a Main Sequence Star? Betelgeuse or Procyon? How do you know? 5.

# H-R Diagram Quiz A Name - Marcia's Science Teaching Ideas

Answer the questions using the above HR Diagram 1. What is the approximate surface temperature of the sun? 2. Would the surface temperature of white dwarf stars be higher or lower than red super giants? (Circle one of the bold words) ... worksheet stars and hr diagram.pub Author:

# worksheet stars and hr diagram - SC TRITON Science

5 H-R Diagram Intoduction ... 19.To sum up, II in the blanks with the answers from questions 14 to 19: A star with 0.1 times the mass of the Sun is an M star. Making a Hertzsprung-Russell Diagram - Arapahoe High School

# Hr Diagram Questions With Answers - pdfsdocuments2.com

a. The upper right corner b. The upper left corner of the H-R Diagram and on the main sequence c. The lower right corner of the H-R Diagram and on the main sequence d. lower left corner & also A star is a giant star of 10 solar masses. You can use the mass-luminosity relation to find its luminosity. True or False?

# What part in the H-R diagram has the ... - answers.yahoo.com

Use the H-R diagram to answer the questions below. 1. A H-R diagram shows the relationship between what two properties of stars? temperature/spectral class and brightness/absolute magnitude; 2. According to the diagram, what is the approximate temperature of the Sun? ...

#### Hertzsprung-Russell Diagram Answer Key - HelpTeaching.com

In this quiz, we are going to work out how the luminosity (L) of any star is related to its surface temperature (T). Then, we will construct the iconic Hertzsprung-Russel (HR) diagram, which captures many of the questions that astronomy was invented to address.

#### **HR Diagram Practice Problems Online | Brilliant**

Answer the questions using the above HR Diagram 1. What factor affects the color of a star? 2. What factor affects the luminosity of a star? 3. What is the approximate surface temperature of the sun? 4. Is the surface temperature of white dwarf stars higher or lower than red super giants? Sun

# Name: Date: Period: HR Diagram Worksheet

Question 15: The HR Diagram is a log-log plot of the solar units equation L=R2T4. Use the boxed equations to argue that isoradius lines on the HR Diagram must be parallel lines. Question 16: Complete the table below. Then add the points to the following HR Diagram and use them to draw in the isoradius lines for 1, 10, and 100 solar radii.

#### **HR Diagram - Student Guide**

H-R Diagram. A collection of stars visible from Earth can be arranged and classified based on their color, temperature, luminosity, radius, and mass. This can be done using one or two-dimensional plots, including a Hertzsprung-Russell diagram of luminosity vs. temperature.

# H-R Diagram Gizmo: Lesson Info: ExploreLearning

The picture below shows the Hertzsprung-Russell diagram of a stellar cluster. Use this diagram to answer questions A8-A10. A8 Mark on the diagram the hottest star (label it H) and the coolest star (label it C). A9 Circle on the diagram the most massive stars. A10 This cluster is: (a) young; (b) old; (c) composed of stars of widely different ages; (d) of unknown age – the HR diagram does not ...

#### T HERTZSPRUNG -RUSSELL DIAGRAM S TEST

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Hr Diagram Graphing Activity Answer Key.pdf Free Download Here worksheet stars and hr diagram - Triton Science ... HR Diagram Worksheet ... Answer the questions using the above HR Diagram 1. What factor affects the color of a star? 2. What factor affects the luminosity of a star?

# Hr Diagram Graphing Activity Answer Key

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#### HR DIAGRAM QUESTIONS WITH ANSWERS PDF

Understanding the H-R Diagram Assignment Directions: Answer the following questions basing your answers on the lesson and Luminosity and Temperature of Stars, H-R Diagram on pages 1-4. With the exception of number 4, which is a multiple choice question, write all other ... Understanding the H-R Diagram Lesson and Assignment 9.

# **Understanding the H-R Diagram - Lesson and Assignment**

A collection of stars visible from Earth can be arranged and classified based on their color, temperature, luminosity, radius, and mass. This can be done using one or two-dimensional plots, including a Hertzsprung-Russell diagram of luminosity vs. temperature.

# **Hr Diagram Questions With Answers**

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