Printable Video Worksheet

Crash Course Astronomy



Name	
Date	

#26 - Stars

When you divide the incoming light from an object into individual colors it's called
2. Hot objects, that emit light at all wavelengths, are said to give off
3. The continuous spectrum of a star has gaps in it, darker bands where different elements
4. In 1901, who developed a system to classify stars using absorption lines in their spectra?
5. Who showed how objects emit light of different colors based on their temperature?
6. Hotter stars put out more light at the blue end of the spectrum, while cooler ones peak
7. Payne-Goposchkin showed that stars were overwhelmingly composed of
8. The letters 'O', 'B', 'A', 'F', 'G', 'K' and 'M' arrange stars in order from
9. Which star, classified as an AO, is the brightest star in the night sky?
10. If you look at the Sun's spectrum, it actually peaks
11. The total amount of energy emitted by a star is called its
12. The luminosity of a star depends on
13. A plot of a stars luminosity vs it's temperature is called
14. The thick line, running diagonally down an HR diagram is called
15. Comparatively, as shown on an HR diagram, massive stars are
16. Most stars live the majority of their lives