Crash Course Astronomy



Name	
Date	

#34 - Binary and Multiple Stars

1. Stars that appear close together, even though they are actually very far apart, are called
2. Two stars that physically orbit each other are called
3. What percentage of all stars in the sky are part of a binary, or multiple, star system?
4. If two stars of a binary system can be resolved using a telescope, they're called
5. The brightest star in the night sky, a luminous blue star, is a visual binary called
6. The white dwarf companion of Sirius is by far the brighter of the two when using
7. Observing the orbital motion of visual binaries allows us to calculate
8. The only way we know to get accurate measurements of stellar masses, is when
9. The shift in wavelength for an observer moving relative to a wave source is called
10. Binaries detected by a red or blue shift of the stars' spectral lines are called
11. How many stars are gravitationally bound together in the Mizar and Alcor star system?
12. Polaris, the North Star, is actually a pentuple star system, composed of
13. Stars that were born in the same multiple star system would likely have similar
14. In an eclipsing binary, when the fainter star blocks the brighter one, we see
15. Stars that get so close together that they touch each other are called
.6. When stars in a binary system have evolved opposite of what we expect, it's called