



1. What elements are present in mystery star 1?     • \_\_\_\_\_
2. In which mystery star is calcium present?     • \_\_\_\_\_
3. Only one mystery star contains helium. Which one?     • \_\_\_\_\_
4. Which mystery star's composition is most like that of the Sun?     • \_\_\_\_\_
5. a) What is a spectroscope ?

b) How is it useful to astronomers ?

15. The spectral lines of hydrogen, helium, and carbon are shown. Draw how the spectral lines might appear if a star were composed of these elements.

