

The Family of Stars.

1. A star's absolute magnitude depends on only
 - a) distance and diameter
 - b) temperature and distance
 - c) distance
 - d) temperature and diameter

2. The most common stars are
 - a) lower main sequence
 - b) white dwarfs
 - c) giants
 - d) upper main sequence

3. The most important feature of binary systems is that they enable us to determine stellar
 - a) temperatures
 - b) masses
 - c) chemical compositions
 - d) pressures

4. If 2 stars are at the same distance and have the same radius, but one is twice as hot as the other, the hotter star is
 - a) 4 times brighter than the cooler star
 - b) 4 times fainter than the cooler star
 - c) 16 times brighter than the cooler star
 - d) 16 times fainter than the cooler star