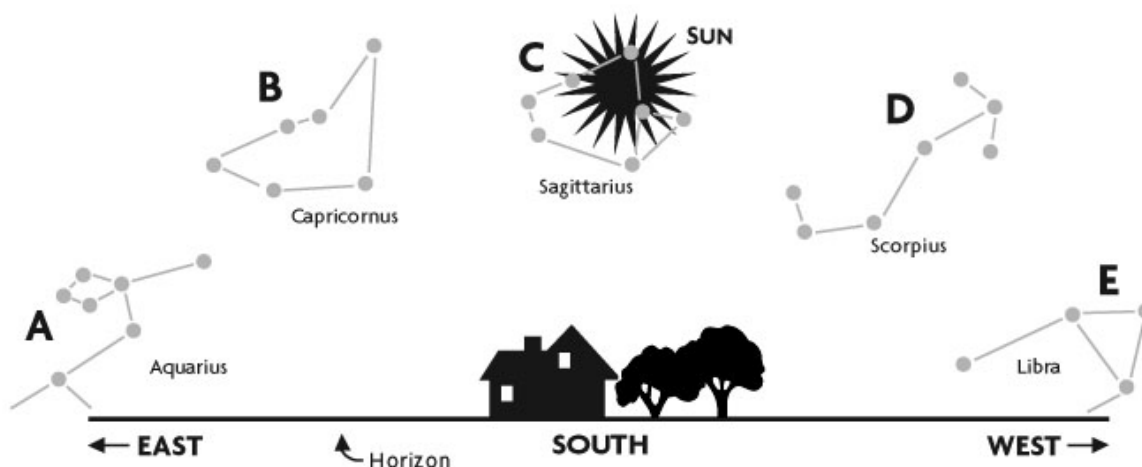


Astronomy Ranking Task: Motion of the Sky

Exercise #2

Description: If you could see both the Sun and the other stars during the day, this is what the sky would look like looking south at noon on January 1 for an observer in the northern hemisphere. The Sun would appear in the sky next to the more distant stars in the constellation Sagittarius, (labeled constellation C). Also shown are other constellations (named and labeled A, B, D, and E) that will be visible above the horizon at this time when facing south.



Ranking Instructions: Rank the constellations (A - E) in the order that they would first appear to rise above the horizon on this day.

Ranking Order: First to rise 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ Last to rise

Or, all the constellations would appear to rise above the horizon at the same time. _____
(indicate with check mark).

Or, all the constellations are always above the horizon. _____ (indicate with check mark).

Carefully explain how you know this is true:
