HPS - Constellations Video Observations Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Objective: This video uses the familiar concept of constellations to introduce various terms from our Unit 9 astronomy objectives: declination, right ascension, sextant, measuring distance to stars (parallax, Cepheid variables), luminosity, apparent magnitude, Big Bang, Polaris, precession, ecliptic, Ptolemy, space-based telescopes, Southern Cross, stellar evolution (star life cycle), red supergiant, black hole, galaxy.

Directions: Pay close attention to these terms, and write down 15 key facts while watching the video.