

Name: _____ Period: _____ Date: _____

Cosmos: A Spacetime Odyssey

Episode 8: Sisters of the Sun

- 1) What is the cost for having all of our electric lights?
- 2) How much brighter than the Sun are the Pleiades?
- 3) How did Annie Jump Cannon lose her hearing?
- 4) What did Henrietta Swan Leavitt discover?
- 5) How many major categories of stars are there?
- 6) What did Henry Norris Russell discover about the Earth and the Sun?
- 7) After listening to Russell's speech, what did Payne figure out about Cannon's data?
- 8) Which stars are considered "newborns"?
- 9) How old are most of the stars in the Big Dipper?
- 10) What kind of star will the Sun be after it becomes 100 times its original size?
- 11) What is the name of the brightest star in our sky?
- 12) What is the fate of the star Rigel?
- 13) With a star as big as Alnilam in Orion's belt, what will it eventually become after it implodes?
- 14) When hydrogen fuses in the Sun, what does it make?
- 15) How long will it be before Orion finally catches up to the Pleiades?