Cosmos 8 - "Sisters of the Sun"	Name_		
The role of women (when science clearly didn't welcome	,	Date	Class
in forming our understanding of stars and the craziness of			
1. Specific stars have held significance throughout human	-		efly describe one
example of the usefulness or legends assigned to the brigh	t, blue-whi	ite "Pleiades."	
2. Repeat Cannon's Christmas card explanation to her frier	nds and fai	mily about how a	nd what she could
determine about stars with her work as one of "The Harva	rd Compu	ters" (hint: you kı	now this from
chemistry when you held a device to your eye to view glov	wing tubes	of gaseous eleme	ents).
Pickering and his "Computers"			
3. When Payne became a collaborator of the "Computers,"	her furthe	r analysis of Canr	non's classification
system revealed 1) what trend in the system and 2) what ir	nportant c	onclusion about t	he composition of
stars?			
4. Although connected by human eyes and imagination, m			
unrelated. Most stars have partners but the			
5. As our sun's main fuel hydrogen gets consumed, the sta			
force of and allowing our sun to get b	~~	_	_
will get much warmer here about 4 billion years from now	, long befo	re the	
stage expansion actually begins.	TA71		1 (1 1)
6. Listen to the story of Sirius and its white dwarf partner.	wnat is a <u>i</u>	nova that will occ	ur around the dwarf
in the future?			
7. In the case of supergiant Eta Carinae, an incredibly supe			
(according to the light we receive today that left it			
nova, an event that will make a supernova lo			
5-50 times more luminous. Should we be worried about tl	118 V101ent	ending to Eta Ca	rinae: Expiain.

8. Why do we now know (thanks to Cannon, Payne and company) that the "Seven Sisters" (The Pleiades)

will be safe from Orion's pursuit?