

Reach for the Stars 3/15/08

Using the SC003T constellation chart fill in the blanks:

<u>Object</u>	<u>Type of Object</u>	<u>Constellation</u>	<u>RA</u>	<u>D</u>
1.			05h 24m	-69 degrees
2.			00h 53m	-73 degrees
3. //////////////	////////////////		14h 00m	-45 degrees

4. What star on your list is located in the constellation in question 3?

5. Why can't you find it on the SC003T chart?

6. Where would you find this star on an H-R Diagram?

7. How many stars orbit in this system?

Using the SC002T constellation chart fill in the blanks:

<u>Object</u>	<u>Type of Object</u>	<u>Constellation</u>	<u>RA</u>	<u>D</u>
8			03h 08m	+41 degrees
9. Polaris				
10. Capella				

11. The star in question 8 is a variable star – what type of variable is it?

12. What does that star's name mean?

13. How many stars orbit in this system?

14. Explain the Algol Paradox (if you don't know what the Algol Paradox is– Read the Star section!!

15. Polaris is a variable star – what type of variable is it?

16. How many stars orbit in the Polaris system?

17. How many stars orbit in the Capella system?