http://www.planet					o tomponatura	aolon aire
Explore the relatio and lifetime of that information will be time; you can also	star. Take a mi e given to you as	nute to go over s the star progr	r the interface an ess through its l	d how you chang ifetime. You can	ge parameters a slow down or s	nd what peed up
Parameters	Star 1	Star 2	Star 3	Star 4	Star 5	Star 6
Mass						
Metal Content						
What stages does your star go through?						
What is the hottest temperature your star has? At what stage does this occur?						
What color is your star when it is on the main sequence?						
How big does your star get? At what stage is it the biggest?						
How long does your star <i>live</i> ?						
How bright did your star get relative to the Sun?						

Build Your Own Star

Name _____

Use the data about the stars you built to answer the questions below.
1. In Chemistry "metals" describe a group of specific elements on the periodic table. What meaning does "metals" have in astronomy? Is it the same as chemistry?
2. Did all your stars go through the same stages? What difference, if any, did the starting mass or metal content have on the stages your stars went through?
3. How were the size of your stars affected by their starting mass and metal content?
4. What relationship did you find between the starting mass and the age of your stars?
5. What relationship did you find between the starting metal content and age of your stars?
6. What relationship did you find between the starting mass and metal content and the temperature of your stars?
7. What relationship did you find between the starting mass and metal content and the brightness (luminosity) of the stars?
8. What conclusions can you make about how the starting mass affects a star?
9. What conclusions can you make about how the starting metal content affects a star?