**Life Cycle Diagram (Slide 7)**

**Checkpoint (Slides 8-13)**

*Question 1: What characteristic of a star determines its life cycle?*

*Question 2: What process allows stars to give off light and heat?*

*Question 3: Why do you think massive stars have a shorter life cycle than average mass stars?*

*Question 4: Explain why the Sun will not explode at any point in its life cycle.*

*Question 5: Describe the final stages in the life cycle of the Sun.*