

Name _____

Life and Death of a Massive Star Answer Key

1. **B** – The star forms from a dense cloud and begins fusion.
2. **H** – It becomes a protostar, building pressure and heat.
3. **E** – The star enters the main sequence, fusing hydrogen into helium.
4. **G** – As hydrogen runs low, it swells into a red supergiant.
5. **A** – Heavier elements are fused in layers inside the core.
6. **C** – The core becomes iron and collapses under its own gravity.
7. **D** – A supernova explosion releases massive energy and matter.
8. **F** – The leftover core collapses into a black hole.