

Name _____

The Making (and Aftermath) of a Black Hole Answer Key

1. **D** – A massive star burns through its nuclear fuel. (**Cause** or Effect)
2. **F** – The star enters its red supergiant phase. (Cause or **Effect**)
3. **G** – The star cannot fuse iron, and fusion stops. (**Cause** or Effect)
4. **A** – Gravity causes the star's core to collapse inward. (**Cause** or Effect)
5. **E** – A supernova explosion blasts away the outer layers of the star. (Cause or **Effect**)
6. **B** – The core becomes a black hole, warping space and time. (Cause or **Effect**)
7. **C** – The black hole pulls in nearby matter, forming an accretion disk. (**Cause** or Effect)
8. **H** – Energy is released in the form of gravitational waves and light. (Cause or **Effect**)