

## Physical Science Activity

November 19, 2025

Research and Study:

Answer the following questions in your notebook and we'll discuss this on **Friday**.

1. What element from space is pulled by gravity and turn into a protostar?
2. What will happen if a low massive main sequence star runs out of hydrogen fuel?
3. How are heavy elements such as Carbon, Oxygen and Neon formed during star formation?
4. Why is it impossible for any matter such as light and radiation to escape from a black hole?
5. Why do you think massive star has shorter life span than average star?