

Name _____

Into the Cosmic Abyss: Exploring the Mysteries of Black Holes

Short Answer

1. How is a black hole's presence usually detected, given that they are invisible?
2. What happens to a massive star when it exhausts its nuclear fuel, and what follows this event?
3. Explain the role of the event horizon in a black hole's structure and function.
4. What is the difference between stellar-mass black holes and supermassive black holes in terms of their formation and size?
5. Why do scientists continue to find black holes fascinating and intriguing?

