

Name _____

The Cosmic Puzzle: Different Types of Black Holes

Multiple Choice Questions

1. What is the primary factor that determines the type of black hole that forms?
 - A) Its location in the universe
 - B) The density of the surrounding space
 - C) The mass of the star that gave birth to it
 - D) Its age

2. Which type of black hole has the smallest mass range?
 - A) Stellar-mass black holes
 - B) Intermediate-mass black holes
 - C) Supermassive black holes
 - D) Primordial black holes

3. What distinguishes intermediate-mass black holes from other types of black holes?
 - A) Their formation from supernovae
 - B) Their location at the centers of galaxies
 - C) Their masses, which are larger than stellar-mass but smaller than supermassive
 - D) Their age, which is older than other types

4. What is the current status of primordial black holes in astrophysics?
 - A) They have been widely observed and studied.
 - B) Their existence is confirmed, but their properties are unknown.
 - C) They are purely theoretical, with no observational evidence.
 - D) They are common in the Milky Way galaxy.

5. What distinguishes microscopic black holes from other types of black holes?
 - A) They are much larger in size.
 - B) They form from the remnants of massive stars.
 - C) They are purely theoretical and much smaller in size.
 - D) They are found only in the early universe.

