

Name \_\_\_\_\_

## The Cosmic Giants: How Big Can a Black Hole Be?

### Short Answer

1. How do stellar-mass black holes form, and what is their typical mass range?
2. What distinguishes intermediate-mass black holes from both stellar-mass and supermassive black holes?
3. Describe the role of accretion in the growth of supermassive black holes.
4. Explain the concept of the Eddington limit and its significance for black hole growth.
5. Can a black hole continue to grow indefinitely? Provide an explanation.

