

Name _____

Black Holes' Cosmic Influence: Effects on Nearby Stars and Planets

Short Answer

1. Describe how a star's orbit can be altered when it approaches a black hole.
2. What is a Tidal Disruption Event (TDE), and what happens during this event?
3. How do accretion disks and jets around black holes impact nearby celestial bodies?
4. Explain what tidal forces are and how they affect objects near a black hole.
5. Why are Tidal Disruption Events (TDEs) valuable for astronomers, and what information can they provide about black holes?

