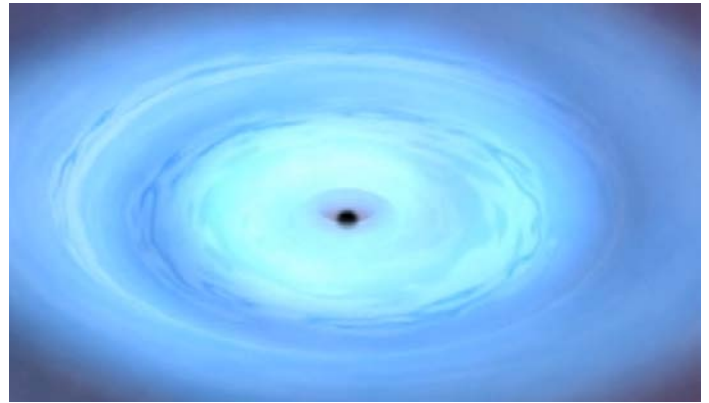


A Supernova Produces a Black Hole

Name _____ Date _____

Directions: Write your responses on this sheet or on separate paper.

1. What process is shown
in this animation?



2. What is a *supernova*?

3. Why can't anything escape a black hole?

4. If black holes absorb light and are invisible, how do astronomers know they exist?
What do they look for?

5. Do stars last forever, or do they have a limited life span? Explain your answer.