



Webquest

Name: _____

WHAT IS A BLACK HOLE?

Directions: Answer the following questions using the website listed below.

www.nasa.gov/audience/forstudents/5-8/features/nasa-knows/what-is-a-black-hole-58.html



1. How does the website define what a black hole is?

2. What can escape a black hole? Explain.



3. What causes or leads to black holes?

4. Why are black holes invisible?

5. Since black holes are invisible, how do scientists know they exist?

6. The website states that there are three main types of black holes. What determines what kind a black hole is?

7. What type of black hole is the smallest? Briefly explain or describe this type of black hole.

8. What type of black hole is the most common? Briefly explain or describe this type of black hole.

9. What type of black hole is the largest? Briefly explain or describe this type of black hole.



10. What types of black hole is at the center of our Milky Way Galaxy? Explain.

11. How do each of the three types of black holes form?

12. What is an accretion disk? Explain.

13. According to NASA, why won't the Earth ever be destroyed by a black hole?

14. According to NASA, why won't our Sun ever turn into a black hole?

15. What will happen to our Sun when it is at the end of its life?

16. Briefly explain how NASA is learning about black holes.