

November 11, 2017

Neutron Star Crash Seen for First Time

Article-Based Observation: Q&A

Directions: Read the article "[Neutron star crash seen for first time.](#)" and then answer these questions.

1. This article summarizes breaking news in the world of science. Create a Snapchat post that summarizes the article to share with your friends.
2. What is a neutron star? How massive were the neutron stars that collided?
3. Where were gravitational waves from the neutron star collision detected?
4. How did scientists determine the direction from which the gravitational waves came? Where were the colliding neutron stars located?
5. What corresponding electromagnetic radiation was detected from the neutron star collision?

6. How did scientists conclude that the colliding celestial bodies were neutron stars and not black holes?

7. What elements were produced by the neutron star collision, and by what process? What was significant about this discovery?

8. What did astrophysicists learn about short gamma-ray bursts? Why is this discovery significant?

9. How did astrophysicists use their observations of the neutron star collision to learn more about the expansion of the universe?