

What Happens When Galaxies Collide?

Read the article and watch the videos located here: [What Happens When Galaxies Collide? - Universe Today](#)

Answer the following questions as you read the article:

1. What galaxy is the Milky Way on a collision course with?

2. When will this collision happen?

3. What can keep two galaxies that collide from merging?

Questions 4-6 are based on the video: Why is Andromeda Coming Towards Us?

4. The two spiral galaxies will become what type of galaxy?

5. Since the universe is expanding, how is Andromeda moving closer to us?

6. Is gravity stronger when objects are closer together or further apart?

7. True or False: When galaxies collide, most of the stars and planets will collide.

8. The Milky Way and Andromeda are similar sizes. How would the collision be different if one was larger than the other?

Questions 9-10 are based on the video: How do Galaxies Die?

9. The Milky Way will die when...

10. What role do nearby dwarf galaxies have in keeping the Milky Way alive?

11. Why do giant elliptical galaxies have so many old stars and very little active star formation?