

Name \_\_\_\_\_

## What Is The Largest Known Galaxy?

### Short Answer Key

1. The "c" in cD galaxies stands for "central," and these galaxies are typically found at the centers of galaxy clusters.
2. IC 1101 is estimated to have a mass of around 100 trillion times that of our Sun. This significance lies in its potential to provide insights into the dynamics of galaxies and the nature of dark matter.
3. IC 1101's estimated age of over 10 billion years is noteworthy because it predates many other galaxies in the universe and offers a glimpse into the conditions of the early cosmos.
4. IC 1101's central position in a galaxy cluster offers opportunities to study interactions, mergers, and the dynamics of galaxies within the cluster, providing insights into their evolution.
5. IC 1101's colossal mass allows astronomers to study the behavior of stars, gas, and dark matter on a grand scale, aiding in our understanding of the universe's composition and structure.

