

Name _____

What Is The Largest Known Galaxy?

Open-Ended Response Questions

1. Imagine you are an astronomer with access to a powerful space telescope, and you have the opportunity to study IC 1101 up close. Describe the specific observations and experiments you would conduct and what insights you hope to gain about this colossal galaxy.
2. Discuss the significance of IC 1101's existence in the context of our understanding of the universe's structure and evolution. How does it challenge our current theories?
3. If IC 1101 were to collide with another galaxy, what potential consequences and effects on the universe might result from such an event?
4. Explain the role of dark matter in IC 1101 and why its study within this galaxy is of particular interest to astronomers.

