

Name _____

Cosmic Cities in the Night Sky

Short Answer Key

1. Stars form within galaxies when gas and dust within nebulae come together due to gravity. Nebulae are giant clouds in space where stars are born.
2. The Milky Way is a spiral galaxy with arms swirling around a central core. It has several spiral arms, including the Orion Arm, where our solar system is located.
3. Superclusters are massive structures made up of tightly packed galaxies. They relate to the organization of galaxies in the universe by grouping galaxies into larger cosmic structures.
4. Galaxy interactions occur when galaxies come close to each other and can result in mergers, collisions, or changes in their structures and shapes.
5. Dark matter is an invisible substance that makes up a significant part of a galaxy's mass, while supermassive black holes are extremely massive black holes typically found at the centers of galaxies.

