

Name \_\_\_\_\_

## Galaxy Formation and Types: A Cosmic Kaleidoscope

### Short Answer Key

1. Gravity pulls matter together, causing it to clump and form the seeds of galaxies. Over time, these regions attract more matter, leading to the formation of galaxies.
2. Elliptical galaxies are oval or round in shape.
3. One less common type of galaxy is a lenticular galaxy, which has a disk-like structure but lacks prominent spiral arms.
4. Dwarf galaxies are often found orbiting larger galaxies due to the gravitational influence of the larger galaxy. They are held in orbit around the larger galaxy by its gravitational pull.
5. Quasars are extremely bright and active galactic nuclei powered by supermassive black holes at their centers. They emit intense radiation, making them important for studying distant objects and the early universe.

