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## **Mastering Astronomy Chapter 15 - Galaxies - Tutorials Aid Questions And Answers**

Astronomers observe galaxies and categorize them according to four different kinds of shapes: elliptical, spiral, barred-spiral, and irregular. In addition to shape, each of the four different galaxy types can be described by other common characteristics. Match the following characteristics with their corresponding galaxy type.

Drag the appropriate items to their respective bins.

- Round, no disk, very little gas and dust, only old stars.
  - Central bulge, flattened disk, spiral arms, gas, dust, young stars.
  - Elongated central structure, flattened disk, spiral arms, gas and dust, young stars.
  - Asymmetric, often with gas, dust, and young stars. - **correct answer**
- Elliptical galaxy (E):
- Round, no disk, very little gas and dust, only old stars.

Spiral galaxy (S):

- Central bulge, flattened disk, spiral arms, gas, dust, young stars.

Barred-spiral galaxy (SB):

- Elongated central structure, flattened disk, spiral arms, gas and dust, young stars.

# Mastering Astronomy Chapter 15 Answers

**CO Houle**



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