Galaxies Fill-In

Map

Key

Scientific model of galaxies is based on:

- A. Big Bang
- B. nearby galaxies
- C. Doppler effect
- D. spiral

- E. Kepler's Third Law
- F. distant galaxies
- G. conservation of angular momentum
- H. mass-luminosity relationship

Map 3 Answer List

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shapes such as:

- spiral
- elliptical
- irregular

determined by:

- conservation of angular momentum

distances:

- nearby galaxies measuring flux using inverse square law gives luminosity results in mass-luminosity relationship

- distant galaxies using Hubble's Law gives red shifts results in mass

spectra to find Doppler effect gives results in radial velocities using Kepler's Third Law yields mass

future of cosmos determines cosmic geometry

dark matter affects cosmic geometry