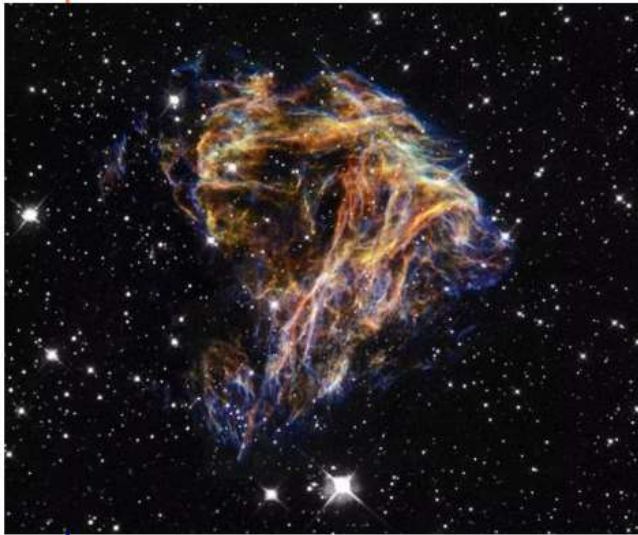


Galaxy Quiz on Monday, 2/22

Study the notes below AND the Milky Way Classwork to prepare for your quiz.

Galaxies



A **galaxy** is a group of bodies bound together by gravitational attraction

- Includes billions of stars, clouds of dust and gas, planets, nebulae, etc

There are about 50 billion to 1 trillion galaxies in the known part of the universe.

Galaxy Formation:

1. Atoms/gases are pulled together by gravity
2. Hydrogen fusion forms stars
3. Stars are pulled together by gravity

Types of Galaxies

- Spiral galaxy: nucleus of stars and flattened arms of stars that spiral around the nucleus
- Barred spiral galaxies: when there are bars of stars that run through the center of a spiral galaxy
- Elliptical galaxies: very bright in the center, can be spherical to flattened, and don't have arms of stars, older
- Irregular galaxy: no particular shape, younger

NGC 5477

irregular



NGC4150



Elliptical



spiral

M81

Milky Way



Barred-spiral

Galaxy Aging:

Baby galaxies = irregular

Teenage galaxies = spiral

Old galaxies = elliptical