

### Think about this...

 Bring out your picture and your family's picture. Point out what is your relationship with your family.

## Think about this...

- ☐ Are you a part of a family system?
- ☐ Is your family part of a larger group or system in your area?



## Class Demonstration...

- Place the following images of Earth, the solar system, stars, galaxies, and groups of galaxies in order. Label the images of systems.
- · What do you think galaxies are made up of?
- How many do you think galaxies are in our universe?
- · How many stars are in our galaxy?
- Go to the board and try to draw a shape of a galaxy.

## A STAR PARTY!!!

THE LARGEST GATHERINGS IN THE UNIVERSE!

- Galaxies- are large scale groups of stars that are bounded together by gravity.
- Size of a typical galaxy is 100,000 light years in diameter.
- Roughly 100 billion stars are contained within a galaxy.

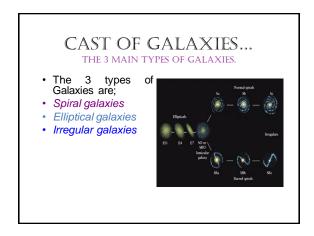


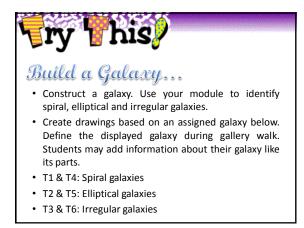
#### WHAT ELSE IS IN A GALAXY?

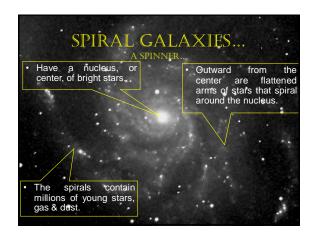


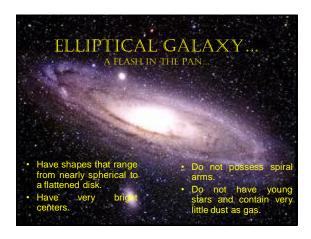
- Galaxies also contain gases and dust.
- Shine by reflecting light from nearby stars.

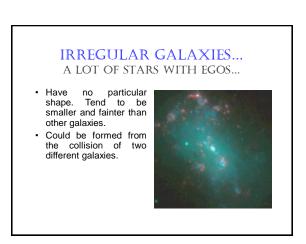






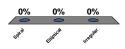


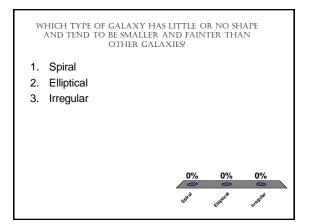




WHICH TYPE OF GALAXY HAS A BRIGHT CORE BUT DOES NOT HAVE NOT HAVE YOUNG STARS?

- 1. Spiral
- 2. Elliptical
- 3. Irregular



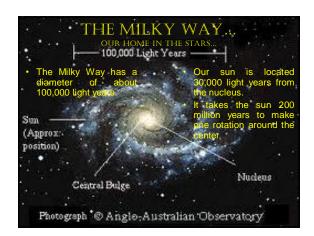


# THE MILKY WAY...

OUR HOME IN THE STARS...

- Our galaxy is a spiral galaxy, in which the sun is one in a billion stars that are found inside.
- All the stars in the Milky Way have their own motion, some are moving towards the sun while others are moving away from our sun.





# Synthesis:

- How many Earths are there?
- If you are the first Filipino astronomer and you discover a star/s, not yet known, what can you do to make a mark in the scientific community?

## Homework:

- Bring the following materials for the next lab activity:
- · Art materials
- Construction paper
- Cutter

