

# Galaxy Hall Posters

Galaxies are collections of stars and gas and dust. They have different components and shapes. Galaxies are organized into clusters. Our Milky Way Galaxy is part of a cluster – our local group - of about 35 galaxies, including the larger Andromeda Galaxy, which is about 3 million light years away,

In this activity, you and your child will view posters and respond to the poster questions to learn more about galaxies and to prepare for the daily activities.

## What You Need:

- 7 sheets of poster board in different colors
- Large print-outs of the questions
- Color images of galaxies related to the questions
- Cover sheets for the answers
- Glue or tape to adhere the questions to the poster board

## What to Do:

Each of the following questions should be made into a big, bold, colorful poster with related images. Make sure the answer is on the poster, but covered by a page labeled “lift me” that hides the answer.

Can we see other galaxies?

Yes

But only a very few! *Andromeda* is the closest that we can see. It is part of our local group.

How Many Stars are in our Milky Way Galaxy?

- A) 2
- B) 143
- C) Billions
- D) None, only planets

Answer: Billions! We can see about 5000 of them. All the stars we see are in our

What is a galaxy?

- A) Collection of stars, gas and dust
- B) A Soccer team on the planet Ursa
- C) Collection of planets around a star

Answer: Collection of stars, gas and dust.

## Where is Earth in our Milky Way Galaxy?

We are in one of the spiral arms about two-thirds of the way from the center.

## What is our galaxy called?

- A) Babe Ruth galaxy
- B) Butterfinger galaxy
- C) Snickers galaxy
- D) Milky Way Galaxy

Answer: Milky Way Galaxy

All the stars that we can see with our naked eyes are in our galaxy.

## Which of the following are components of the Milky Way Galaxy?

- E) Spiral arms
- F) Billions of Stars
- G) Nucleus
- H) All of the above

Answer: All of the above

## What Shapes are Galaxies?

Broccoli and Carrot Shaped

Irregular, Elliptical and Spiral

Rectangular, Circular, and Triangular

Answer: Irregular, Elliptical and Spiral. The Milky Way is a spiral galaxy!

## Possible Poster Images

Images can be found at:

Hubble Galaxy Images

[http://hubblesite.org/gallery/album/galaxy\\_collection/](http://hubblesite.org/gallery/album/galaxy_collection/)

National Optical Astronomy Observatory

[http://www.noao.edu/image\\_gallery/galaxies.html](http://www.noao.edu/image_gallery/galaxies.html)

Princeton University

[http://www.astro.princeton.edu/~frei/Gcat\\_htm/cat\\_ims.htm](http://www.astro.princeton.edu/~frei/Gcat_htm/cat_ims.htm)

Ohio State University

<http://www.astronomy.ohio-state.edu/Gallery/galimgs.html>