

Name: _____ Date: _____

Cosmic Creators: Kindergarteners Craft Stellar Galactic Systems

Advanced learners synthesize astronomical concepts to model galaxy shapes and identify the vast composition of our expanding universe.

1. If you were building a brand new 'Sombrero' galaxy, what three main ingredients would you need to mix together in space?

- A. Water, air, and green plants
- B. Stars, big clouds of gas, and dust
- C. Rocks, sand, and ocean waves
- D. Fire, ice, and moon cheese

2. True or False: The universe is like a growing balloon that keeps getting bigger and pushing galaxies further apart.

- A. True
- B. False

3. Imagine you are an artist painting the 'Andromeda' galaxy. To make it look like a giant spinning fan, what shape should you draw?

- A. A perfect square
- B. A straight thin line
- C. A curvy spiral
- D. A tiny triangle

4. If the Universe is a giant house, and galaxies are the different rooms, what are the people living inside the rooms supposed to be?

- A. The planets and stars
- B. The clouds and rain
- C. The cars and trucks
- D. The spoons and forks

5. True or False: Every single star you see in the night sky belongs to one giant neighborhood called a galaxy.

- A. True
- B. False

6. A galaxy that looks like a messy pile of glitter with no specific shape is called an _____ galaxy.

- A. Identical
- B. Irregular
- C. Invisible
- D. Inside-out

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7. Why can't we see the very edge of the whole universe with our eyes?

- A. Because the universe is too small
- B. Because it is behind a giant wall
- C. Because it is so incredibly vast and still growing
- D. Because the sun is too bright

8. Our home galaxy is the Milky Way. If we looked at it from far away, it would look like a ____.

- A. Smooth egg
- B. Flat pancake with a bulge
- C. Square box
- D. Tall ladder

9. True or False: A galaxy can have a trillion stars, which is more than all the grains of sand on a beach.

- A. True
- B. False

10. If two galaxies drifted toward each other and bumped into one another, what would most likely happen?

- A. They would pop like bubbles
- B. They would turn into a single bowl of soup
- C. They would dance and join together to make a bigger galaxy
- D. They would bounce away like rubber balls