

August 13, 2022

## Postcards From a New Space Telescope

### Student Discussion Worksheet

**Directions:** Read the *Science News* article “[Here are the James Webb Space Telescope’s stunning first pictures](#),” choose one of the images to study and answer the first set of questions. Then complete the remaining questions as instructed by your teacher.

#### Inspiring images

1. Which image is your favorite? Why?
2. What does the image show? Be as specific as possible.
3. What does the image make you wonder about science?
4. How does the image inspire you?

#### Pictures as data

1. Brainstorm ways that images can help us understand scientific concepts.
2. Can images can be considered data? Why or why not?
3. Look at this [website](#), which compares images from the James Webb Space Telescope with images from the Hubble Space Telescope. How are the images similar and different?
4. What about the James Webb Space Telescope explains the differences in image quality? What makes the telescope innovative?

#### Curiosity corner

1. Write a scientific question based on what you wonder about one of the images in the article. Could the James Webb Space Telescope be used to answer your question? Why or why not?