Space

Lesson 3: A Star's Color/Brightness/Appearance

Today's focus

I will be able to:

- explain how stars can be different.
- identify the Sun as a star that emits energy (light and heat).
- identify that the Sun appears large because it is the closest star to Earth.

Bellringer

Ellen is completing an experiment to learn more about feeding her pet rabbit. The rabbit eats pet food and carrots. places 100 grams (g) of each type of food in the rabbit's cage. Which scientific observation would Ellen record?

- ○ The rabbit liked to eat vegetables.
- ○ The rabbit liked carrots more than pet food.
- ○ The rabbit seemed to enjoy eating the carrots.
- ○ The rabbit ate all the carrots before eating the pet food.

Video: Size Comparison of Objects in Space

Jupiter is almost the size of a small _____.

Describe what you noticed about the sizes of the stars in this video. _____

_____

Think About This!! - Stars

What do you think? Write True or False next to each statement.

- Stars come in different colors.
- Stars are the same temperature.
- Stars all have the same brightness.
- Stars are all the same size.
- The color of the stars tells us the star's surface temperature.
- The Sun appears as the brightest star because it is the largest star.

Writing: Explain your understanding of stars by comparing them based upon color, temperature, brightness, size and explain how the Sun relates to other stars.

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