

6th Grade Summer Homework

The first unit we cover in earth science is the size and scale of the universe as well as our place within it. These ideas involve branches of science called astronomy and cosmology.

This assignment will help lay the groundwork for these lessons. Write the answers to the homework questions on a piece of notebook paper or type and print them. Bring them with you the first day of school.

Watch this video and answer the following questions.

<https://www.youtube.com/watch?v=5FEjrStgcF8&feature=youtu.be>

1. How many times bigger is the diameter of the Sun compared to Earth?

a. What does the measure of the diameter of an object measure?

2. Which is larger, a star system like ours (called the solar system) or a galaxy?

3. What is an AU (astronomical unit)?

Use this video to answer the next questions.

<https://www.youtube.com/watch?v=GZx3U0dbASg&feature=youtu.be>

4. About how long would it take a speeding bullet to circle the Earth (circumnavigate)?

5. About how long would it take a speeding bullet to circumnavigate the Sun?