

S1-C: Models of the universe

Name: _____

Watch this video (<https://youtu.be/RsKdoEtZdd8>). Answer the questions as you go.

Timestamps are provided to help you.

Questions

Hint: The Sun is the center of our solar system, but what about the giant Milky Way and other galaxies?

1. What does “geocentrism” mean? (0:15)

What is the main reason ancient astronomers thought the Earth was the centre of the universe? (0:28)

3. What two things did the planets do that was hard to explain with the geocentric model? (1:03 and 1:11)

4. What is the name of the Polish astronomer who suggested in the 16th century that the Sun was at the centre of the universe? (1:59)

5. What do we call the model of the universe that has the sun at the centre? (2:04)

6. Is the Sun the center of the whole universe? (Yes or No) (2:32)

7. Does the universe have a centre? (Yes or No) (2:39)