

Question 1

Consider Venus in two possible solar system models:

Geocentric: Earth at center, Venus orbits in a circle at a steady rate.

Heliocentric: Sun at center, Venus, Earth orbit in a circles at different steady rates.

Which of the following is true about the apparent size of Venus as observed from Earth as time passes?

1. Varies in geocentric model, stays same in heliocentric model.
2. Varies in heliocentric model, stays same in geocentric model.
3. Stays same in both models.
4. Varies in both models.