
Exercise B4: Galileo Strengthens the Heliocentric Model

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: What is the phase of Venus?

- a. New (dark)
- b. Full
- c. Crescent
- d. Gibbous

Question 2: What is the approximate angular diameter of Venus when it is a very slim crescent?

- a. 15"
- b. 30"
- c. 60"
- d. 60'

Question 3: Based on your answer in Question 2, which model do your observations support?

- a. Geocentric system of Ptolemy.
- b. Heliocentric system of Ptolemy.
- c. Heliocentric model of Copernicus.
- d. Geocentric model of Copernicus.

Question 4: Why did these observations persuade Galileo that the geocentric view of Ptolemy was wrong?

- a. The geocentric model made no allowances for moons.
- b. The geocentric model allowed only one center of revolution.
- c. The geocentric model claimed that Jupiter revolved about the Earth.
- d. The geocentric model said there were only seven solar system objects.