
Exercise D4: Trans-Neptunian Objects

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: Which of the following objects was the first KBO to be discovered?

- a. Neptune
- b. Pluto
- c. Quaoar
- d. Varuna

Question 2: The eccentricity of Sedna's orbit is:

- a. 0.0842
- b. 0.157
- c. 0.842
- d. 0.928

Question 3: Why was Sedna originally thought to be an Oort Cloud Object? *Hint: Use the Angular Separation Tool.*

- a. Its orbit is highly eccentric.
- b. Its aphelion distance is close to the inner limit of the cloud.
- c. It has a very inclined orbit.
- d. It has a period of over 12,000 years.