

General Science 1110L Pre-Test Questions Measurement of Parallax Lab

- 1. What is the objective of today's lab?**
 - 2. What is the apparatus used in today's lab?**
 - 3. Under what circumstances might we want to use Parallax to measure a distance?**
 - 4. What is the "distant" object be that we will measure the distance to in this lab?**
 - 5. Draw a diagram of the measurements we will use to find the distance to our "distant" object (See Figure in your lab manual)**
 - 6. (True or False) We will rotate our graph paper 90^0 and make a second measurement to our distant object.**
 - 7. What does the distance between points A and B represent if we are trying to measure the distance to a near star from the earth?**
 - 8. Give the formula for the parallax angle α . Show diagram.**
- (See Figure 1 in your lab manual)**
- 9. (True or False) We will measure the distance to our "distant" object directly using a meter stick.**

Answers.

- 3. If the object's height is too great or its distance is too far away to measure directly with a tape measure, or an intervening object such as a mountain or river prevents the direct measurement.**
- 4. A piece of paper with a black vertical stripe on it.**
- 7. The average diameter of the Earth's orbit around the Sun.**