

Name: \_\_\_\_\_

## LAB 11 PRE-LAB

1. **Period** and **frequency** are fundamental characteristics of all repeating processes.
  - a. Write a formula relating period and frequency.
  - b. What is the SI unit of period? Express in terms of counts and time.
  - c. What is the SI unit of frequency? Express in terms of counts and time.
2. Write a formula relating propagation speed of a wave to its wavelength and frequency.
3. Define a **node** and **antinode** in a standing wave.
  - a. Node:
  - b. Antinode:
4. Write a formula expressing the distance between adjacent nodes to the wavelength.