

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.