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 relating the distance between adjacent nodes to the wavelength.