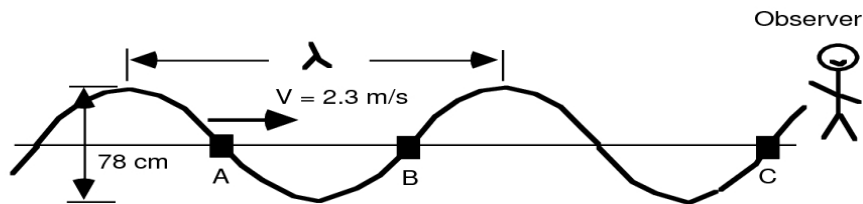


Waves : Worksheet - 50

- 1) What is a wave?
- 2) What causes a wave?
- 3) Name three phenomena that are waves.
- 4) Explain the difference between:
 - a) longitudinal waves
 - b) transverse waves
- 5) A bees wings vibrate 1500 times in 1.0 minutes.
 - a) The frequency of the wings is _____ .
 - b) The period is _____ .
 - c) The frequency of the sound emitted is _____ .
- 6) A water wave is shown below. Three corks; A, B, and C, are shown.



- a) In which direction is cork A about to move?
- b) Which two corks are in phase?
- c) What is the amplitude of the water wave?
- d) If 18 waves pass the observer in 30. seconds, the frequency is _____ , and the period is _____ .