Quiz 1 Solutions

Someone knocks over the first dominoe in a long string and they fall over one after the other.

1. Is this phenomenon a wave?
   Yes. Energy is being transported from one place to another by a disturbance.

2. Is it a periodic wave?
   No. There are no repetitions of motion at a given point or time.

3. What sort of wave is it?
   a. not a wave
   b. a transverse wave
   c. a longitudinal wave
   d. a transverse and longitudinal wave
   A falling dominoe has both forward (longitudinal) and downward (transverse) motion.
   e. neither a transverse nor a longitudinal wave

4. If four dominoes fall over per second and they are set 20 cm apart, what is the speed of the disturbance?
   a. 80 m/s
   b. 0.8 m/s
   c. 1.25 m/s
   d. 0.05 m/s
   d. cannot be determined