Waves Check Point EQ2: How are Waves Classified?

Multiple Choice

Directions: Type A, B, C, or D of the correct answer in the answer box

1. **Which of the following describes transverse waves?**

   a) Particles vibrate parallel to the direction of wave travel
   b) Particles vibrate in a circular motion
   c) Particles vibrate in an up-and-down motion
   d) Particles do not vibrate

2. **Which type of wave requires a medium to travel through?**

   a) Mechanical waves
   b) Electromagnetic waves
   c) Gravitational waves
   d) Solar waves

3. **Which of the following is an example of a longitudinal wave?**

   a) Lightwave
   b) Water wave
   c) Radio wave
   d) Sound wave

True or False

Directions: Write T for true and F for false in the answer box.

Electromagnetic waves always require a medium to travel through.

Mechanical waves can be either transverse or longitudinal.

LIVEWORKSHEETS