

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.