

Wave creation

In this activity you observe that a $1/2$ wave is only half a vibration. It is only half of a sine wave. One full wave is one complete vibration. It is an entire sine wave and resembles the letter S or a fish hook shape.

In a continuous cycle, waves are continually created. When you observe just one particle in the wave it does not move forward but simply vibrates (up and down) without moving forward.