

Chapter 4

Mechanical waves

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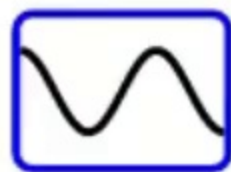
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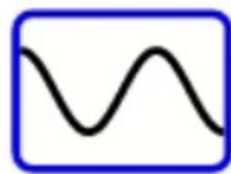
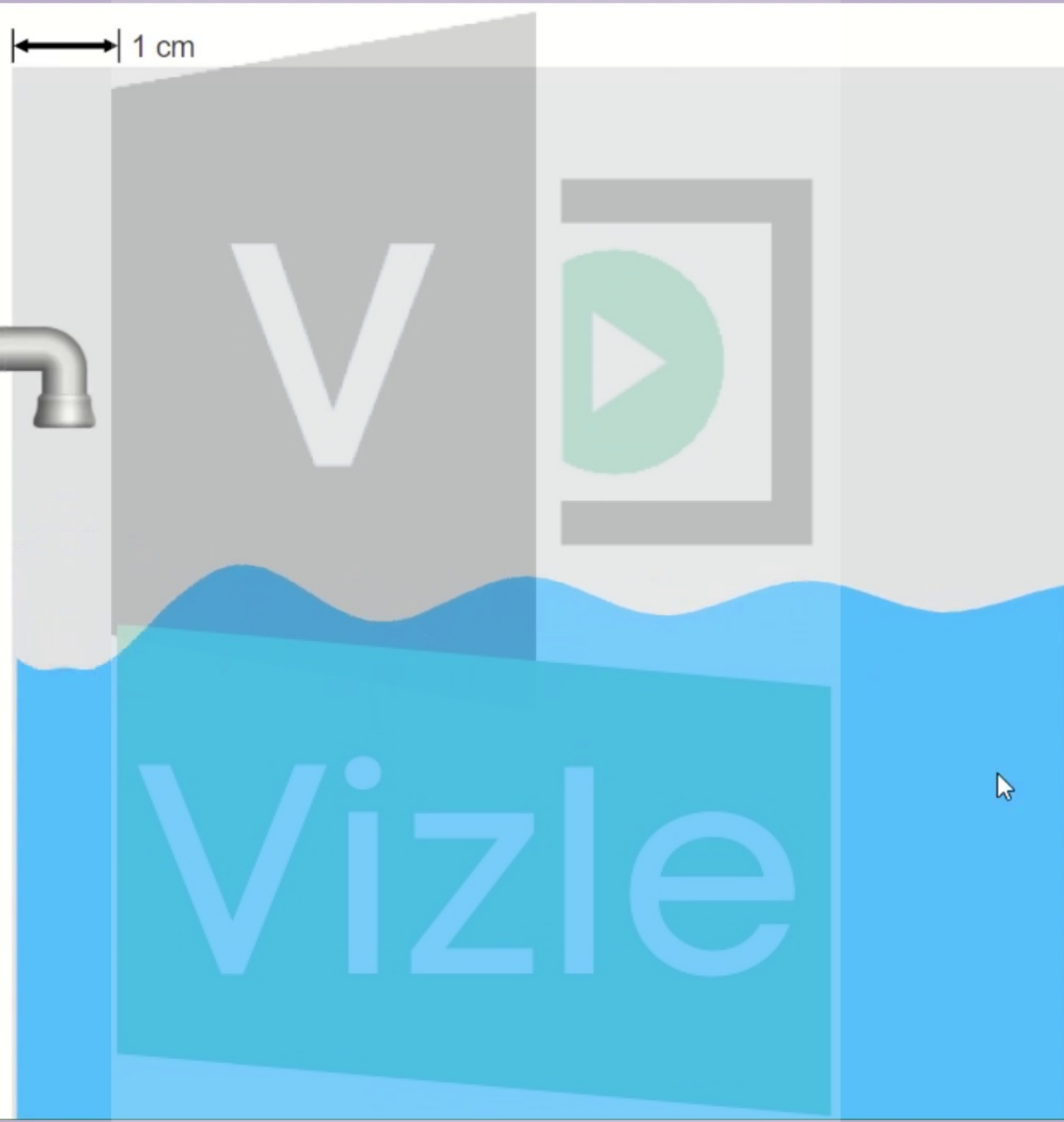
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OBJECTIVES

- Students will be able to define a wave.
- Students will know that the propagation of a wave occurs without the transport of matter.
- Students will be able to distinguish between a transversal and a longitudinal wave.
- Students will be able to characterize a periodic wave.

1 cm





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Mechanical Waves

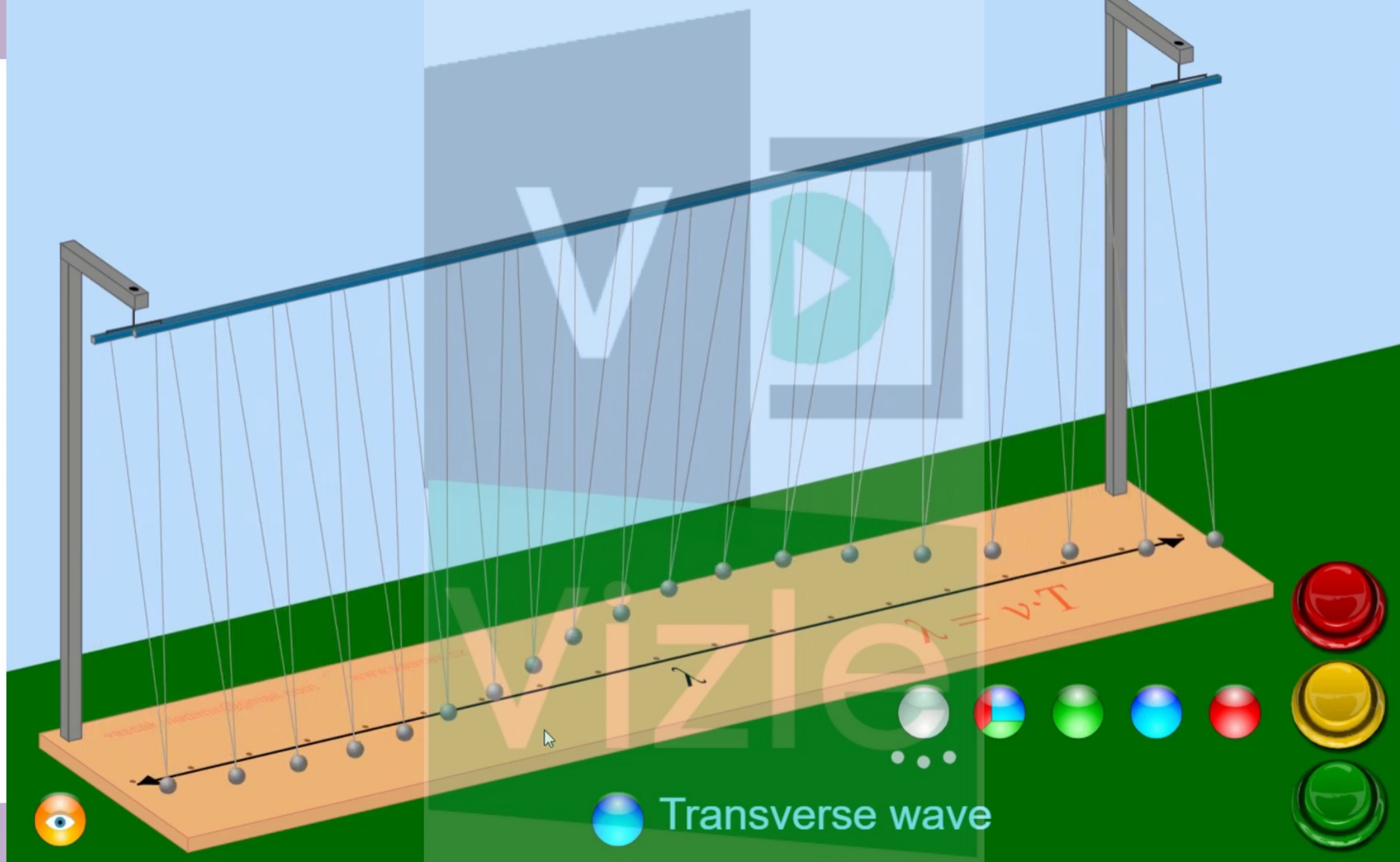
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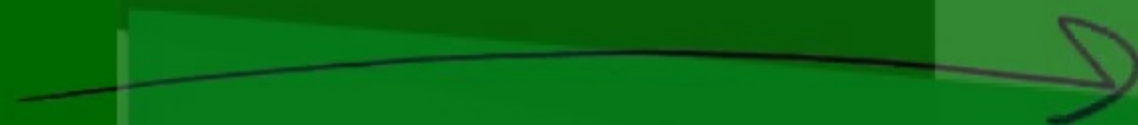
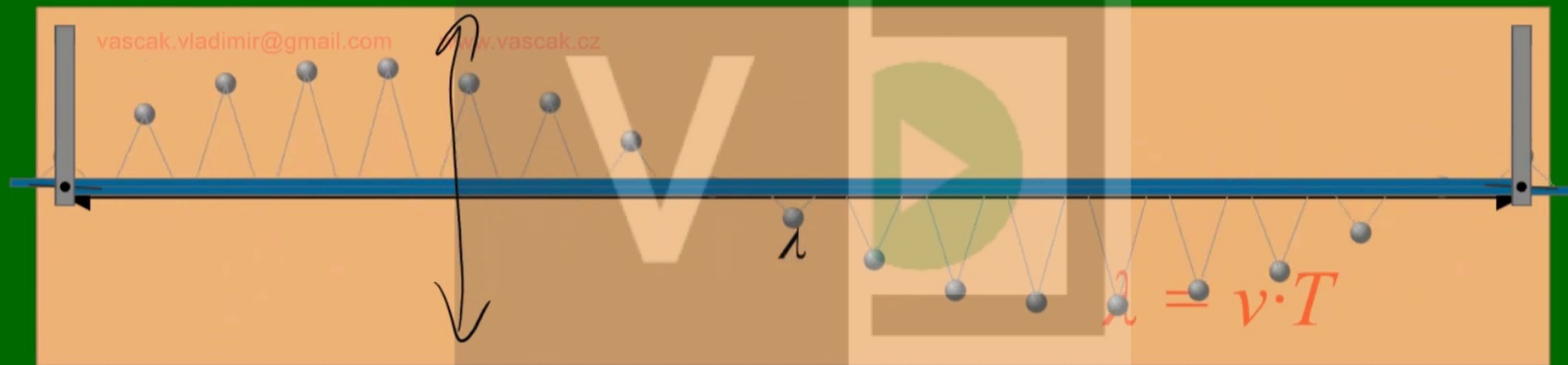


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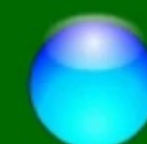
- Sea waves, sound waves, seismic waves and the waves that travel along the rope are all examples of mechanical waves.

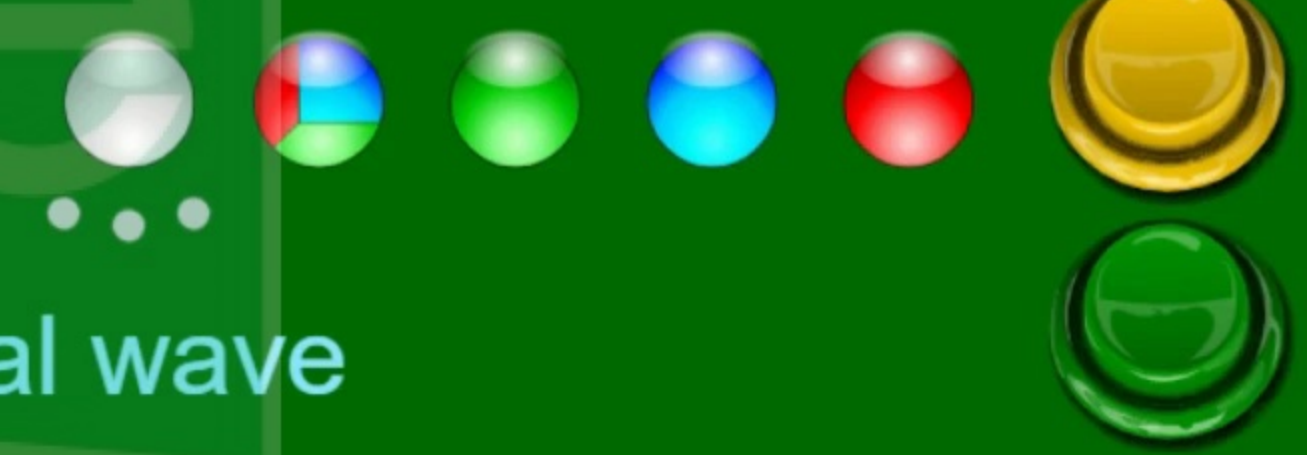
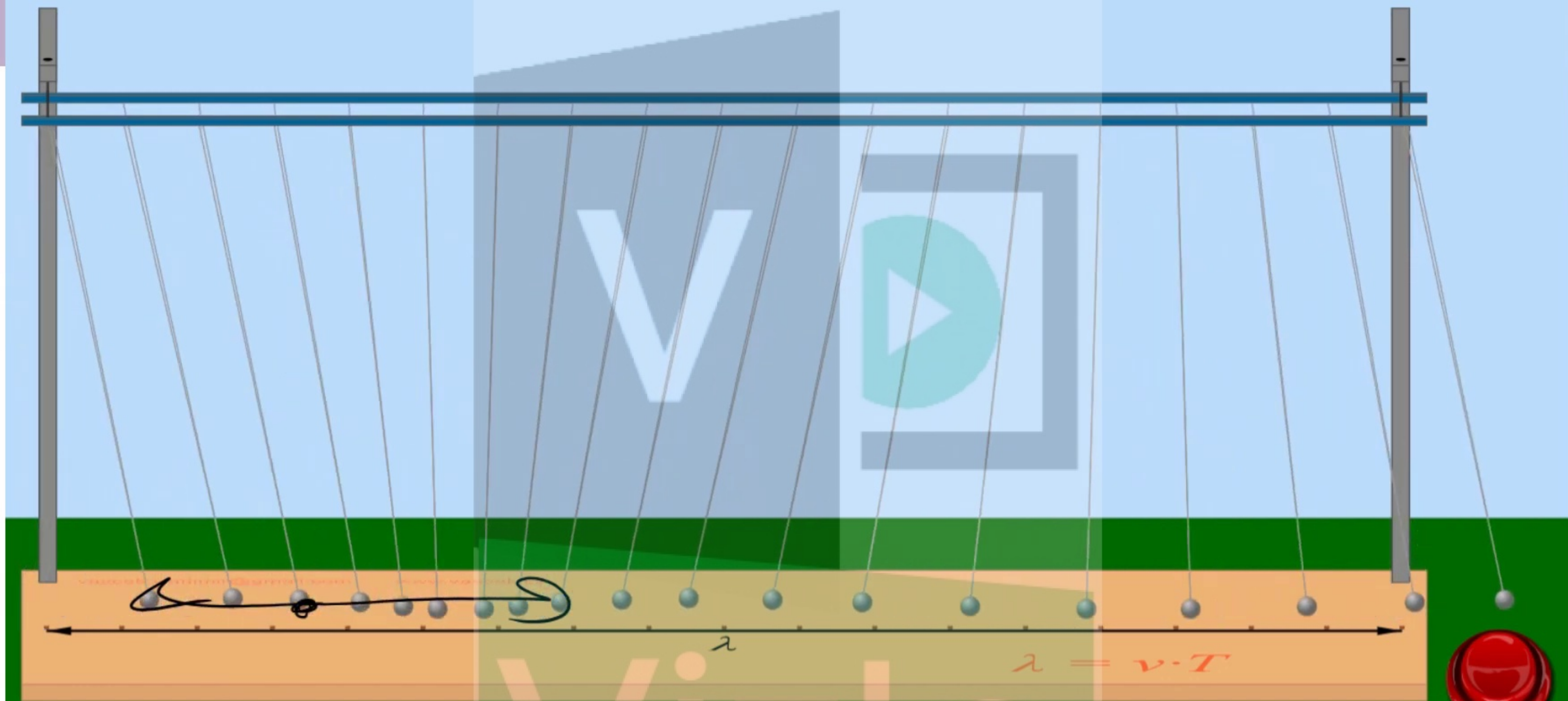






Transverse wave





Longitudinal wave

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