Amplitude and Energy of a Wave Models Activity

Students will:

- use models to explain how the amplitude of a wave is related to the energy of the wave in seismic, light, and sound waves.
- explore six models such as an analogy, a diagram, and an experiment to explain this relationship.

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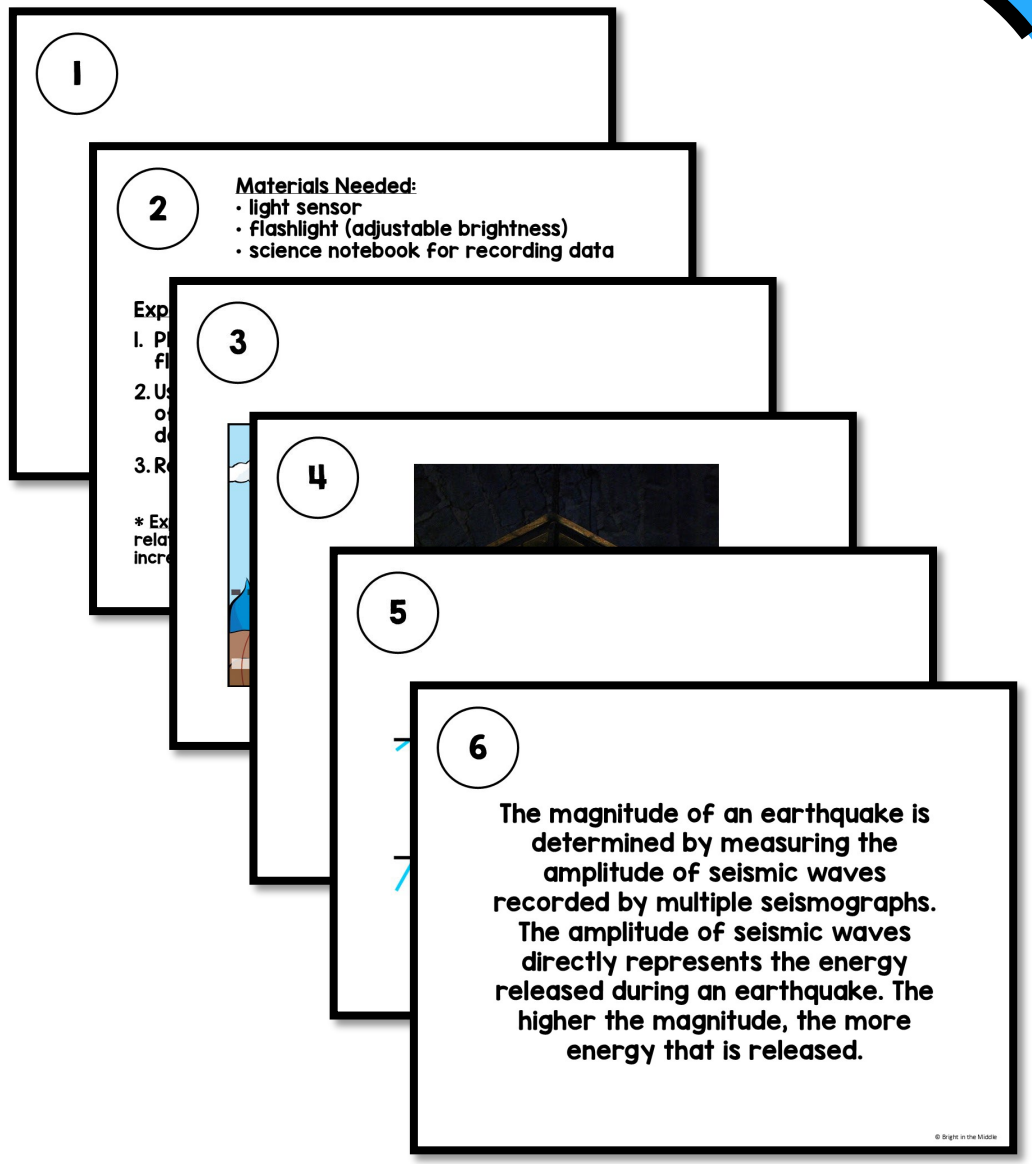
6 Models For Students to Explore



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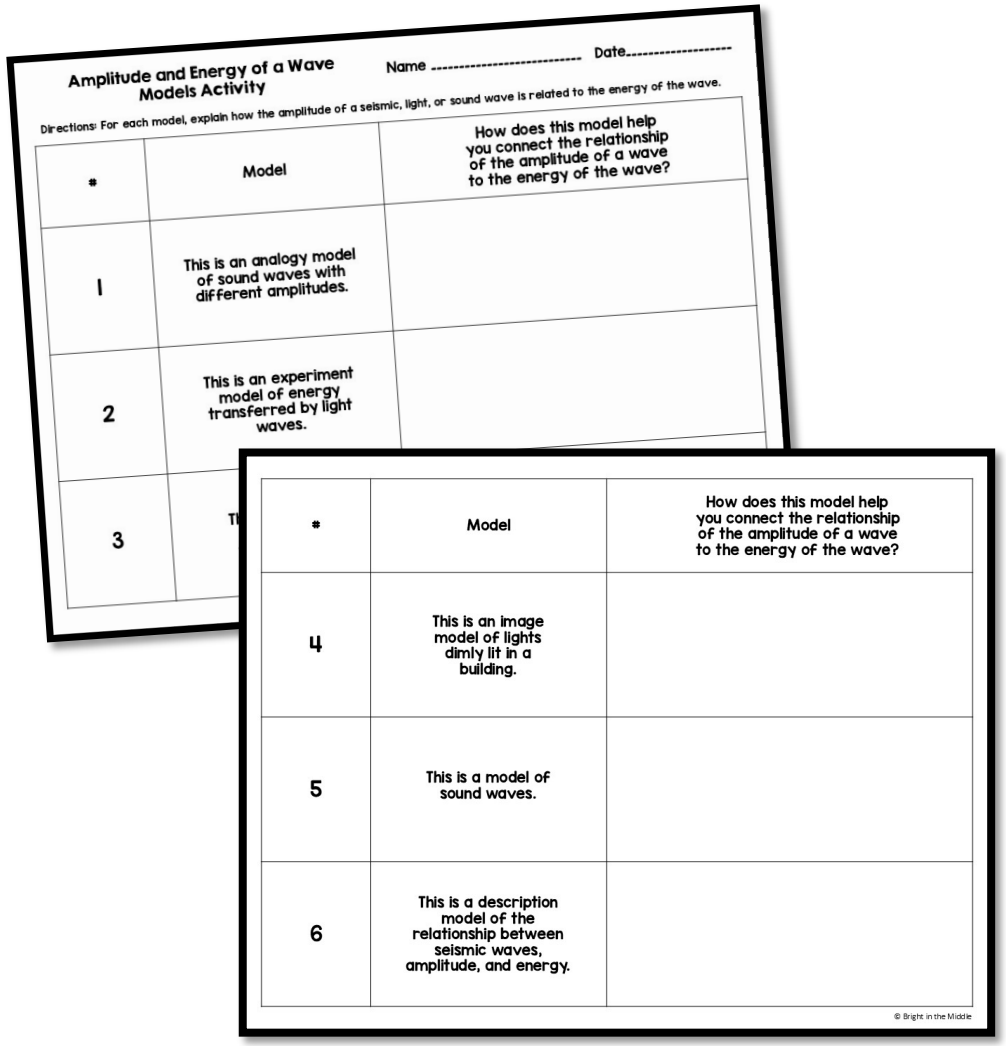
A student sheet AND answer sheet is included!

* with editable text



Amplitude and Energy of a Wave Models Activity

Name _____ Date_____

Directions: For each model, explain how the amplitude of a seismic, light, or sound wave is related to the energy of the wave.

#	Model	How does this model help you connect the relationship of the amplitude of a wave to the energy of the wave?
1	This is an analogy model of sound waves with different amplitudes.	
2	This is an experiment model of energy transferred by light waves.	
3	Th	
4	This is an image model of lights dimly lit in a building.	
5	This is a model of sound waves.	
6	This is a description model of the relationship between seismic waves, amplitude, and energy.	

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