**8th Grade Science Daily Check-in #16**

Please answer all questions by filling in the blank or explaining in complete sentences.

The links are there to help you, and you should use your notes from Monday.

Be sure to click the **TURN IN / SUBMIT** button.

1. Waves carry \_\_energy\_\_ from one place to another, NOT matter.
2. [Mechanical waves](https://www.physicsclassroom.com/class/waves/Lesson-1/Categories-of-Waves) require a \_\_medium\_\_ to travel, like air particles, water, or a string (they cannot travel through the empty [vacuum](https://www.britannica.com/science/vacuum-physics) of space). We will learn about electromagnetic waves next week, which CAN travel through space.
3. If sound waves are an example of mechanical waves, [can you hear sound in outer space](http://coolcosmos.ipac.caltech.edu/ask/241--Can-you-hear-sound-in-space-)? Explain why or why not:

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| No, because mechanical waves need a medium to travel through. In space, there is no medium. |

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