Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_

Assignment Sheet 7th Grade Energy

Today I will Identify and apply knowledge of forms of energy, and explain how energy can be transferred and

describe the evidence of energy transfer in a closed series circuit.

\_\_\_\_\_\_\_\_\_\_Notes: Energy / Energy Transformation

\_\_\_\_\_\_\_\_\_\_Notes: Electrical Energy and Circuits

\_\_\_\_\_\_\_\_\_\_Video Summary energy and energy transformation <https://youtu.be/z8a-L1lkq3w>

Study Jam Video

<http://www.eschooltoday.com/energy/kinds-of-energy/what-is-mechanical-energy.html>

\_\_\_\_\_\_\_\_\_Virtual Lab : <http://poweringourfuture.com/students/energy/>

\_\_\_\_\_\_\_ Review Games energy transformations <http://reviewgamezone.com/game.php?id=81>

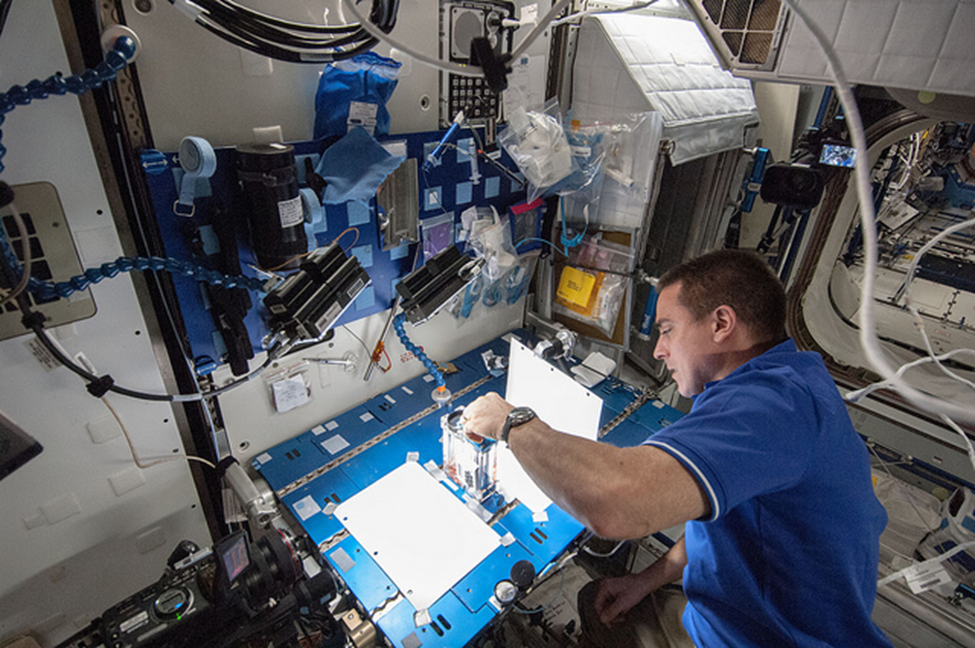
\_\_\_\_\_\_\_\_\_\_\_\_ IT’S IN THE CARDS: energy, energy transformation, potential energy, kinetic energy, chemical energy, electrical energy, mechanical energy, sound energy, Light energy, thermal energy, and nuclear energy

\_\_\_\_\_\_\_Energy Transformation worksheet

\_\_\_\_\_\_\_Mechanical engineering challenge (classwork/homework)

Design and construct a device to include as many energy transfers as possible for moving one ping

pong ball at least 30 centimeters within a given area.



Technically, mechanical engineering is the application of the principles and problem-solving techniques of engineering from design to manufacturing to the marketplace for any object. Mechanical engineers analyze their work using the principles of motion, energy, and force — ensuring that designs function safely, efficiently, and reliably, all at a competitive cost.

Mean Pay is over 100, 000 about 48.00 per hour

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