

Color, Picture, Text

ENERGY SYSTEMS

Must include title!

What is energy? (1 sentence)

5 points

What is a system? Why is it important? Contrast with surroundings. (2 sentences)

DESCRIBING ENERGY

Energy Stored in Movement

-kinetic

-

thermal
(option to add)

For each type of energy (8 in total), give abbreviation, & picture example.

Mechanical Energy is a combination of _____ (what are three forms & add picture)

Energy Stored in Position or Arrangement

-elastic

-chemical

-gravitational

-phase

Internal Energy is (what is abbreviation and description with picture)

25 points

SYSTEM SCHEMA

5 points

Describe purpose of system schema. Choose one observation station. Draw a sketch of the station. Draw the proper system schema.

ENERGY PIE CHARTS

What do Energy Pie Charts show? For the same observation station above, draw at least two energy pie charts to show a before and after scenario for the station. Why do the circles have to do with the Law of Conservation of Energy? Be sure the before and after scenario are clearly described or conveyed through pictures.

5 points

You must use color, pictures and text to convey all information requested. - 10 points

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What is a system?

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-kinetic

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thermal

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Mechanical
Energy.....

Internal
Energy....

SYSTEM SCHEMA

ENERGY PIE CHARTS