

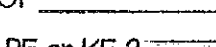
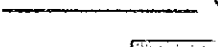
ENERGY

the ability to do _____ or cause _____

It is measured in _____ and is found in many different _____. Energy can be classified as _____ or _____ energy.

Most energy originates from the...

What role does energy play as the dog runs down the hill?



potential energy

_____ energy due to _____

or _____



Examples

CHANGES TO

PE or KE ? _____

Details: _____

1 _____

2 _____

3 _____

4 _____

5 _____

kinetic energy

Energy of _____ in _____



Examples

KE depends on:

$$KE = \frac{1}{2} mv^2$$

THE LAW OF CONSERVATION of ENERGY

ENERGY is never created or _____ but instead _____ from one _____ to the next.

ENERGY

Describe the transfer of energy that happens in each example:

Example A The principal calls your mom on the phone at work to talk about how you should pay better attention during science class.

Your mom does not smile like this when she gets the cal.



Example B Coal is burned to produce power at a production plant and then sent to your home where you use it to turn on your lights.



Example C Plants use the sun's energy in the process of photosynthesis to produce sugar.



Everything is energy and that's all there is to it. - Albert Einstein

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PRACTICE