



TOPIC/OBJECTIVE:

NAME:

CONTENT/CLASS:

CLASS/PERIOD:

DATE:

ESSENTIAL QUESTION:

What is potential and kinetic energy?
(use the next clean page)

QUESTIONS:

NOTES:

pg. 141 - Science Explorer: ^{Motion, forces} Energy
Kinetic Energy

Two kinds of energy

1)

2)

energy transfers energy.

energy stores energy -

(read p. 142 - 143 if you want)

pg. 150 Kinetic and Potential Energy
Conversion = transformation

Energy Conversion in Juggling

Any object that _____ or _____

experiences a change in its kinetic and potential energy -

Where do the oranges have kinetic and/or potential energy?

> answer this in your notebooks from the book

SUMMARY:

QUESTIONS:

NOTES:

Energy Conversion in a Waterfall

The water at the top of the falls has

because

As the water falls, its
decreases and so it loses

• Its kinetic energy
is _____ as it falls because
its _____ increases.

Energy Conversion in a Pole Vault

The kinetic _____ of the pole
vaulter is converted to

_____ energy in the pole. The
_____ energy of the
pole is converted to the _____
_____ energy of the pole vaulter.

→
explain what
happens to the
energy next

Energy Conservation in a Pendulum

On your own, explain what happens with
potential and kinetic energy in a
pendulum _____

SUMMARY: