

NGS Magnified Task Cards
are an engaging, versatile
educational tool that
reinforces learning,
differentiates instruction,
and promotes independent
and collaborative work.

DECIDE

1
Engage, Work, & Share

Mechanical energy is the total kinetic and _____ energies in a system.

- a. chemical
- b. thermal
- c. potential
- d. electrical

COMPLETE

2
Engage, Work, & Share

DECIDE

5
Engage, Work, & Share

A _____ is a unit of measure for all forms of energy.

- a. meter
- b. kilogram
- c. joule
- d. Newton

IDENTIFY

6
Engage, Work, & Share

Identify the forms of potential energy.

DET

What formula _____

DECIDE

9
Engage, Work, & Share

The unit used to measure the amount of energy that people get from food is a _____.

- a. kilograms
- b. Celsius
- c. Newton
- d. calorie

CALCULATE

10
Engage, Work, & Share

A bowling ball weighing 1.2 Newtons is lifted 2 meters. How much work is done?

EX

You plug in an electric heater. How much work does it do?

DECIDE

13
Engage, Work, & Share

A winding mountain road is an example of what simple machine?

- a. lever
- b. wheel & axle
- c. pulley
- d. inclined plane

COMPLETE

14
Engage, Work, & Share

Two or more simple machines that work together are called _____.

CLASSIFY

Classify the following as kinetic or potential energy.

Parked car	Rolling ball
Standing giraffe	Swimming fish
Rain	Blowing wind

DETERMINE

15
Engage, Work, & Share

Which two simple machines are part of a pair of scissors?

STATE

16
Engage, Work, & Share

In the equation $W_{in} = W_{out}$, what does each stand for?