

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

DECIDE



Heat is thermal energy moving
from a ____ object to a ____
object.

- a. warmer; cooler
- b. cooler; warmer
- c. stationary; moving
- d. slower; faster

LIST



List three ways that heat can

DECIDE



Wind and ocean currents are
formed by ____.

- a. conduction
- b. convection
- c. radiation
- d. evaporation

DETERMINE



Which of the following are good
conductors of heat?

copper

DECIDE



Which of the following do NOT
require the presence of matter
particles?

- a. conduction
- b. convection
- c. radiation
- d. condensation

EXPLAIN



Explain why water is the best insulator.

DE

Thermal energy
temperature increases

- a. increases
- b. decreases
- c. remains constant
- d. contracts

DRAW



Draw how convection currents would
appear in this pot of boiling water.

DETERMINE



Which law of thermodynamics
states that it's impossible for heat
to flow from cool objects to warmer
objects unless work is done?

COMPLETE

A ____ is a device that
thermal energy into mechanical
energy.

COMPLETE



A material that reduces the flow of
heat is a(n) ____.

IDENTIFY



Identify the SI unit used for
temperature.