



3.P.1.1

What is a force?



3.P.1.1

What is motion?



3.P.1.1

What is speed?



3.P.1.1

How can a force
on an object
change its speed
or direction?



3.P.1.2

What causes speed to vary?



3.P.1.2

How are time and speed connected?



3.P.1.2

How can speed be calculated?



3.P.1.3

What is gravity?



3.P.1.3

What is the
effect of the
earth's gravity on
celestial objects?



3.P.1.3

What is the relationship between the mass of an object and the pull of gravity?



3.P.1.3

How can a
fragile item be
safely
transported
during a free
fall?



3.P.2.1

What are the
attributes of air?



3.P.2.1

What is mass?



3.P.2.1

What is matter?



3.P.2.2

What are the
properties of
solids, liquids, and
gases?



3.P.2.2

How do particles
of the same matter
behave differently
in each of the
three states of
matter?



3.P.2.3

How does heat
affect the
particles of an
object?



3.P.2.3

How does freezing
affect the
particles of an
object?



3.P.2.3

What are some ways heat can be transferred to an object?



3.P.2.3

What happens to a liquid when its temperature is raised to the boiling point?



3.P.3.1

How does friction transfer energy?



3.P.3.1

Which energy is
released due to
friction?



3.P.3.1

What materials
release the
greatest amount of
heat energy as a
result of friction?



3.P.3.2

How can objects transfer energy?



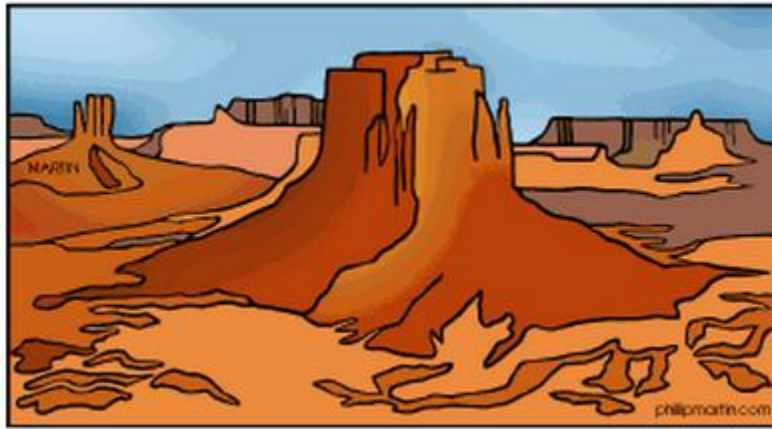
3.P.3.2

What is convection?



3.P.3.2

What is conduction?



3.E.1.1

What is the solar
system composed
of?



3.E.1.1

What are the
planets within
the solar system
called?



3.E.1.1

Where is our
place within the
solar system?



3.E.1.1

What attributes
make Earth
different from
other planets?



3.E.1.1

Why does the
position of the
Sun seem to
change
throughout the
day?



3.E.1.2

Why does the
Sun rise in the
East and set in
the West?



3.E.1.2

How is a shadow
made and why
does it change?



3.E.1.2

How does the
length of a
shadow vary
throughout the
day?



3.E.1.2

How does the
length of a
shadow vary
from season to
season?



3.E.1.2

How does the
Earth move
around the Sun?



3.E.1.2

What is the
difference
between
rotation and
revolution?



3.E.1.2

In what ways can
the length of a
shadow help us
to tell time?



3.E.2.1

What kinds of
bodies of water
are on the
surface of the
earth?



3.E.2.1

What are the
attributes of :
oceans, seas,
rivers, lakes,
ponds, streams,
glaciers



3.E.2.1

What is the
difference
between fresh
and salt water?



3.E.2.1

What kinds of
animals live in
fresh water?
salt water?



3.E.2.1

What are the differences between the organisms living in freshwater and saltwater?



3.E.2.1

How is climate change affecting aquatic ecosystems?



3.E.2.1

What are some
things we can do
to preserve
aquatic
ecosystems?



3.E.2.2

What are the
attributes of
a(n): volcano,
mountain, valley,
canyon, cavern,
island?



3.E.2.2

How are
different
landforms shown
on a map?



3.E.2.2

What are some
ways land can
form new
physical
features?



3.E.2.2

How are
mountains,
glaciers,
volcanoes,
canyons, and
valleys related?



3.E.2.2

Why do scientists
use models, maps,
pictures, and
diagrams to
represent
landforms?



3.L.1.1

What is the
function of the
skeletal system?



3.L.1.1

What is the
difference
between
voluntary and
involuntary
muscles?



3.L.1.1

What is the
purpose of the
bones?



3.L.1.1

What are the different types of joints?



3.L.1.1

What is the
difference
between movable
and immovable
joints?



3.L.1.2

What are the functions of the skin?



3.L.1.2

What are the 3
layers of the
skin?



3.L.2.1

What are the
parts of the
plants and the
functions of
each?



3.L.2.1

What are steps
of a plant's life
cycle?



3.L.2.1

What is the
purpose of a
flower?



3.L.2.1

What is pollination?



3.L.2.2

What is
necessary for a
plant to grow?



3.L.2.2

What would
happen if
essential plant
needs were
diminished or
deprived?



3.L.2.2

What are
environmental
issues that can
diminish plant
health/growth?



3.L.2.3

What's inside a seed?



3.L.2.3

What's the stage of a seed?



3.L.2.3

What does a
seed/plant need
to grow?



3.L.2.4

How do soils differ?



3.L.2.4

How do the
different soils
influence the
growth and
survival of
plants?



3.L.2.4

Does soil
texture
influence water
retention?