



2.P.1.1

# How is sound produced?



2.P.1.1

# How does vibration produce sound?



2.P.1.1

What is pitch and  
how is it produced?



2.P.1.1

How does the air  
determine the  
pitch?



2.P.1.2

Which parts of your  
body vibrate in  
order to produce  
sound?



2.P.1.2

Which parts of your  
body vibrate in  
order to receive  
(hear) sound?



2.P.1.2

# How is our voice to talk created?



2.P.1.2

How is sound  
created using your  
vocal cords?





2.P.1.2

How do we change  
the sounds in our  
voices?



2.P.1.2

# How do we hear sounds?



2.P.1.2

Which parts in our  
ear actually vibrate?



2.P.2.1

What is a solid?  
What is a liquid?



2.P.2.1

What are the  
characteristics of  
matter (solid,  
liquids)?



2.P.2.1

# What causes changes in properties of matter?



2.P.2.1

# How does matter retain its shape?



2.P.2.1

Can water be in all  
three states of  
matter?





2.P.2.1

Can other materials  
change between  
stages of matter?



2.P.2.1

What do we need to  
do for materials to  
change from one  
state to another?



2.P.2.2

Does the volume of  
a liquid change  
when poured into  
different  
containers?



2.P.2.2

Does the weight of  
matter change when  
poured into  
different  
containers?



2.P.2.2

Does the weight  
change when a  
material changes  
from solid to liquid?



2.P.2.3

Does the volume of  
a liquid change  
when poured into  
different  
containers?



2.P.2.3

What happens to  
the water when a  
container of water  
is left open for  
several days?



2.P.2.3

Will more water  
evaporate if it is in  
different  
containers?





2.E.1.1

What energy does  
the sun provide for  
the earth?



2.E.1.1

What happens to  
the light when it  
reaches the earth?



2.E.1.1

How does the  
sunlight warm the  
land, air and water?



2.E.1.1

Which form of  
matter absorbs the  
most light from the  
sun?



2.E.1.1

Which form of  
matter absorbs the  
least light from the  
sun?



2.E.1.1

How do clouds  
affect the amount  
of light that is  
reflected back into  
space?



2.E.1.2

# What is weather?



2.E.1.2

# How do we measure weather conditions?





2.E.1.2

# What is the water cycle?



2.E.1.2

What are the  
cardinal directions?



2.E.1.2

How are the  
cardinal directions  
useful in predicting  
the weather?



2.E.1.2

How do we  
measure, collect  
and record weather  
data?



2.E.1.3

How does time of  
day influence the  
temperature of the  
air?



2.E.1.3

How do weather  
patterns change  
from season to  
season?



2.E.1.3

In what ways do  
these patterns  
affect the way you  
dress?



2.E.1.3

In what ways do these patterns affect the outdoor activities that you participate in?





2.E.1.4

What weather tool  
is used to determine  
the temperature,  
wind speed, and  
humidity?



2.E.1.4

What is the purpose  
of each instrument  
in predicting the  
weather?



2.E.1.4

How does collecting  
weather data over  
time help  
meteorologists  
predict the  
weather?



2.E.1.4

In what ways are  
manual and  
electronic  
instruments similar?



2.E.1.4

In what ways are  
manual and  
electronic  
instruments  
different?



2.L.1.1

What is the life cycle of an animal (birds, amphibians, reptiles, mammals, marine life, arachnids, and insects)?



2.L.1.1

What are the animal kingdoms (birds, amphibians, reptiles, mammals, marine life, arachnids, and insects)?



2.L.1.2

How are life cycles  
different from each  
other?





2.L.1.2

Are the life cycles  
of the same  
kingdom the same  
or different?



2.L.1.2

Are the life cycles  
of different  
kingdoms different?



2.L.1.2

Does the animals'  
habitat support the  
needs of the  
animals'  
development in  
each of their  
stages?

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2.L.2.1

How do you look  
like your parents,  
grandparents or  
other relatives?



2.L.2.1

Do babies of all  
animal kingdoms  
look like their  
parents?



2.L.2.1

Do all parents and offspring have the same appearance, needs, life processes, and interactions with the environment?

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2.L.2.2

Why do the  
(ladybugs) have  
different colors but  
they are all  
(ladybugs)?