



4.P.1.1

How do magnets work?



4.P.1.1

What do magnets attract?



4.P.1.1

What is a magnetic field?



4.P.1.1

What do magnets repel?



4.P.1.1

How can magnetism produce motion?



4.P.1.1

How is the motion
of magnetism
affected by its
environment?



4.P.1.2

What is an electrical
charge (positive,
negative, and
neutral)?



4.P.1.2

What is static electricity?



4.P.1.2

How can an
electrical charge
push or pull objects
away?



4.P.1.2

Can an electrical
charge produce
motion through
push and pull?



4.P.2.1

What are the
physical properties
of matter: such as
strength, hardness,
flexibility,
conduction of heat,

electricity and magnetism?



4.P.2.1

What reactions
would occur to
matter when
exposed to water
and/or fire?



4.P.2.2

What is a rock?



4.P.2.2

What is a mineral?



4.P.2.2

What are the
properties of rocks
and minerals,
including hardness,
color, luster,
cleavage, and

streak?



4.P.2.2

What tests can be
conducted to
identify properties
of rocks and
minerals?



4.P.2.3

What are
metamorphic,
sedimentary and
igneous rocks and
how are they
formed?



4.P.2.3

What is the rock cycle?



4.P.3.1

What is energy?



4.P.3.1

What is heat energy?



4.P.3.1

What is light energy?



4.P.3.1

What is sound energy?



4.P.3.1

What is electrical energy?



4.P.3.1

What is magnetic energy?



4.P.3.1

How can energy
cause motion
and/or create
change?



4.P.3.2

What is light and how does it travel?



4.P.3.2

What happens when
light touches an
object?



4.P.3.2

What is a reflection
and how can light
be reflected?



4.P.3.2

What is refraction
and how can light
be refracted?



4.P.3.2

What is absorption
and how can light
be absorbed?



4.P.3.2

Does light travel
through objects?



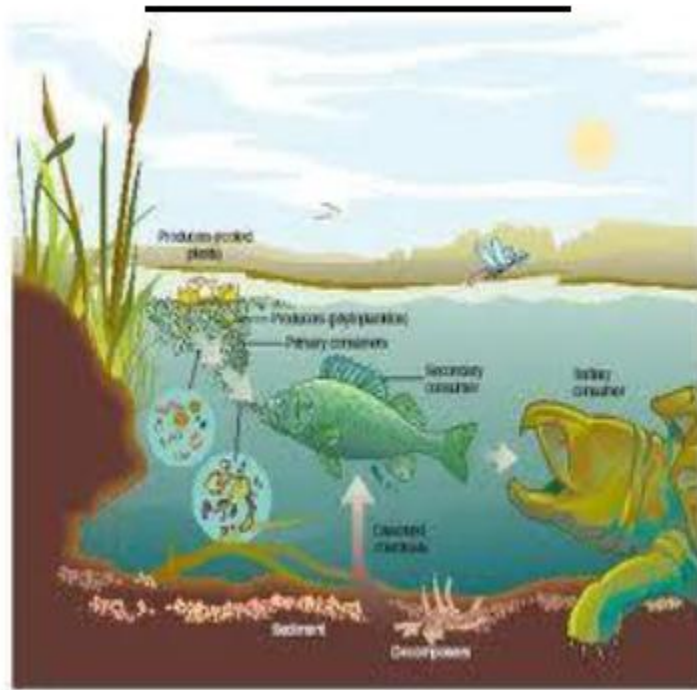
4.E.1.1

What is the cause
of day and night?



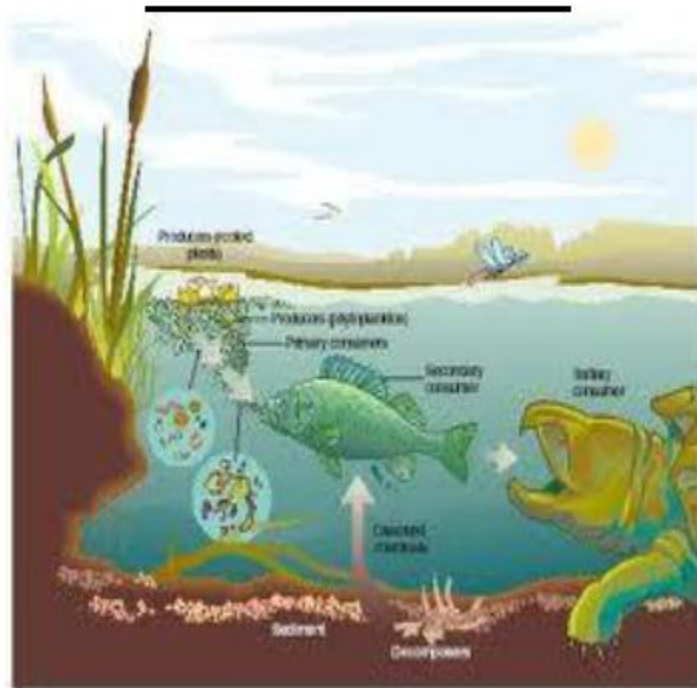
4.E.1.1

How does the
rotation of the
earth influence day
and night?



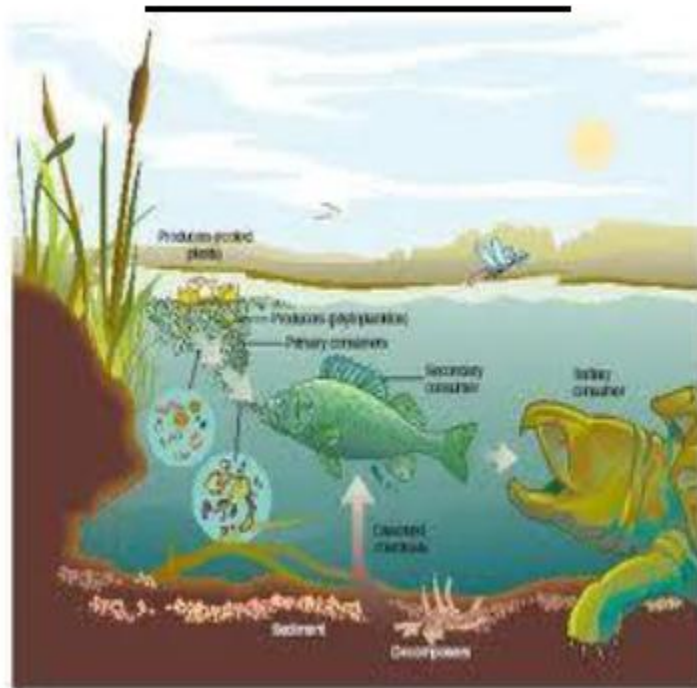
4.E.1.2

How long does it
take the moon to
orbit the earth?



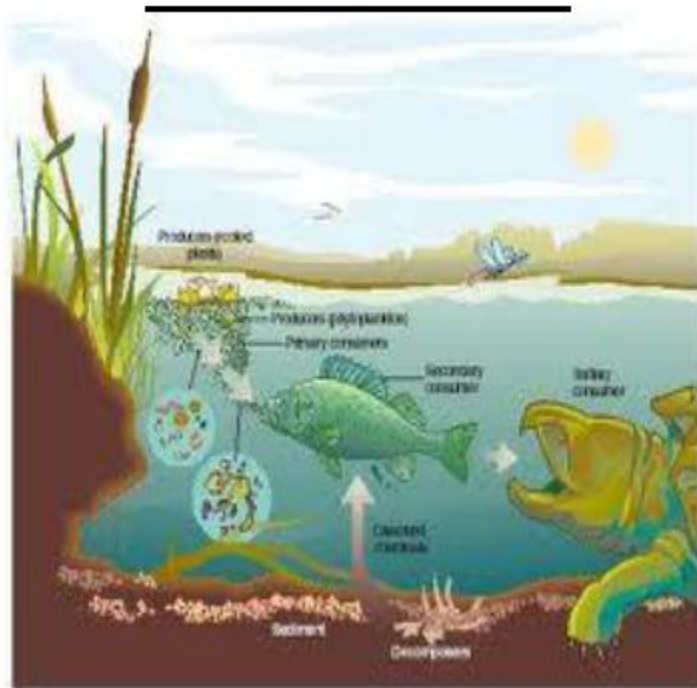
4.E.1.2

What Causes the phases of the moon?



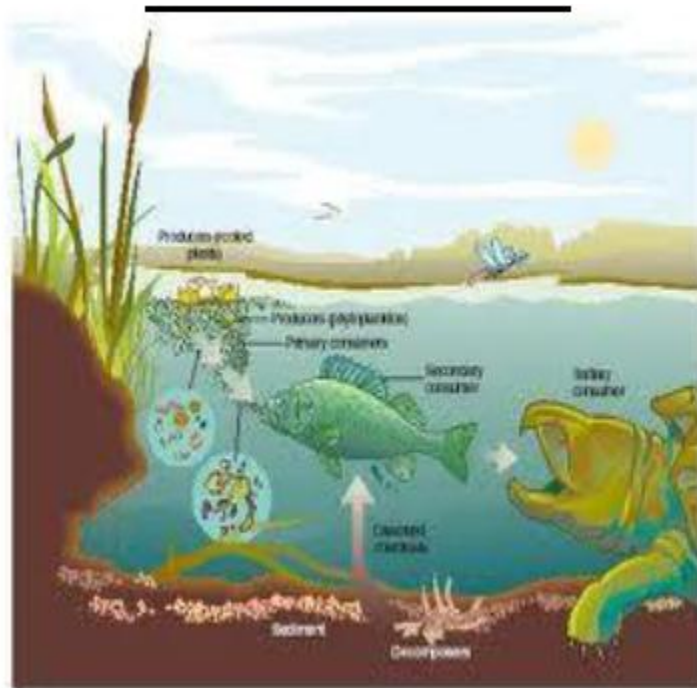
4.E.1.2

How does the moon's orbit influence the phases?



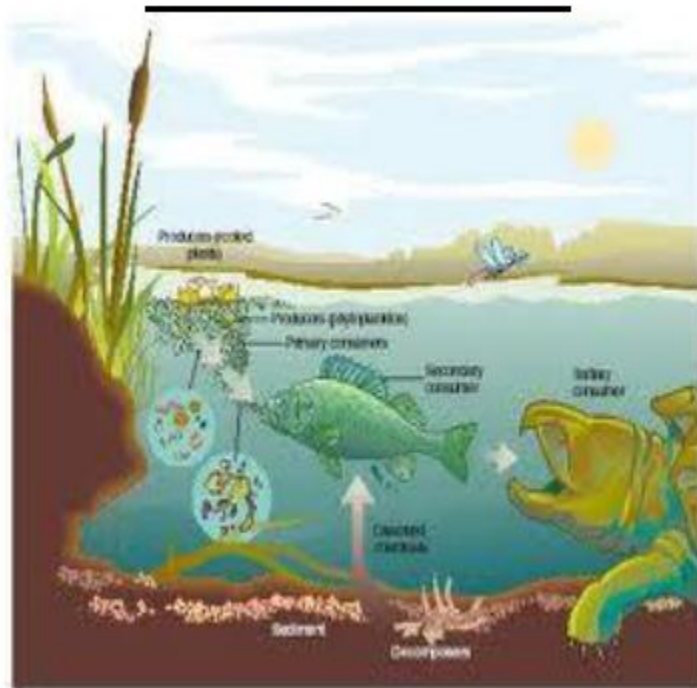
4.E.1.2

What are the
different phases of
the moon?



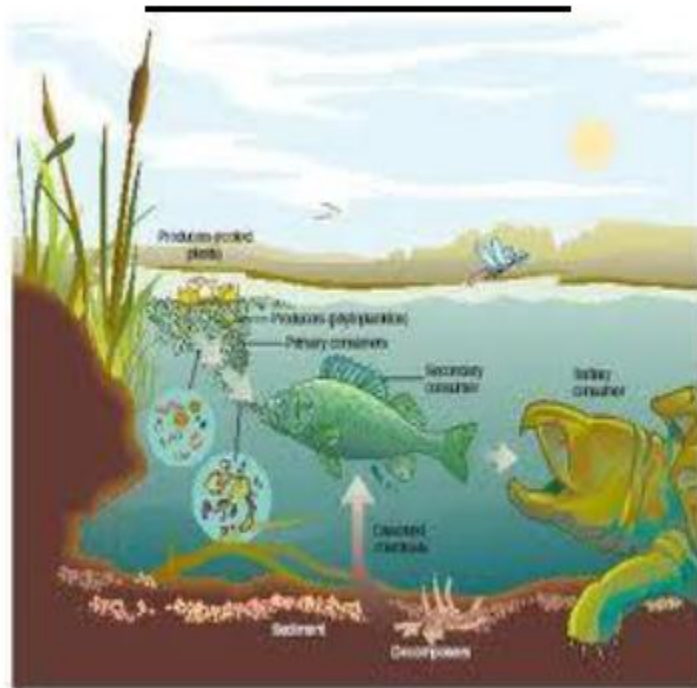
4.E.1.2

What is the
difference between
a waxing and a
waning moon?



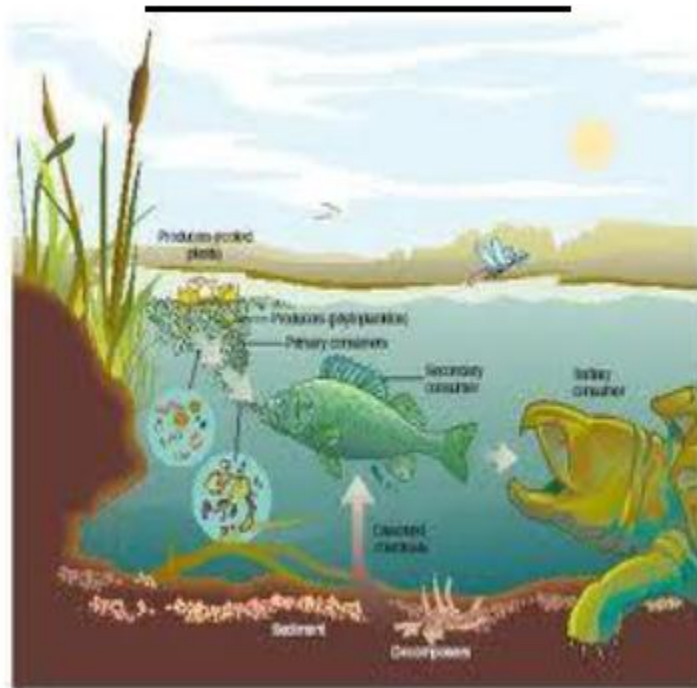
4.E.2.1

What are fossils?



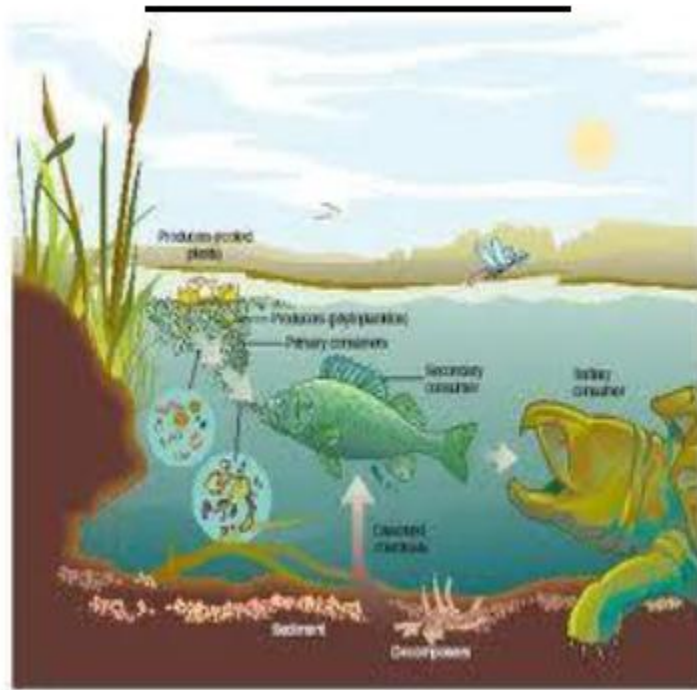
4.E.2.1

How do fossils form?



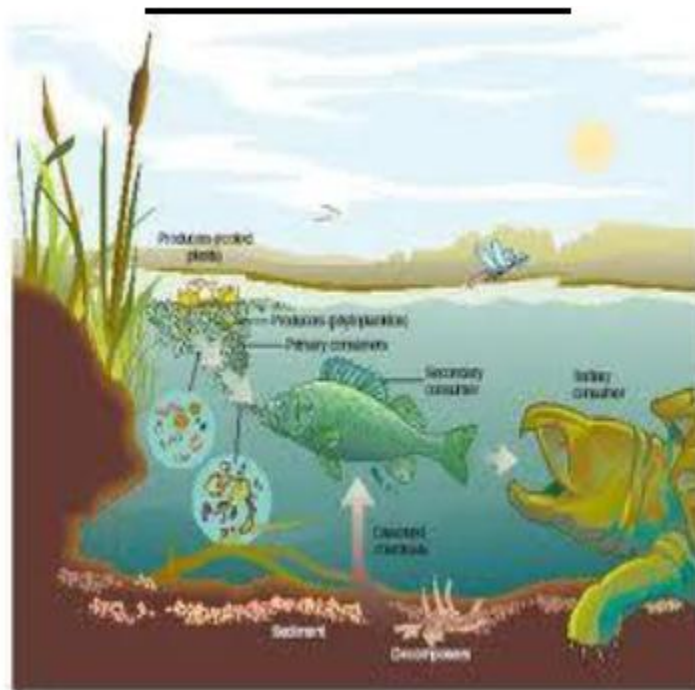
4.E.2.1

What are the
different types of
fossils?



4.E.2.1

How have plants
and animals
changed over time?



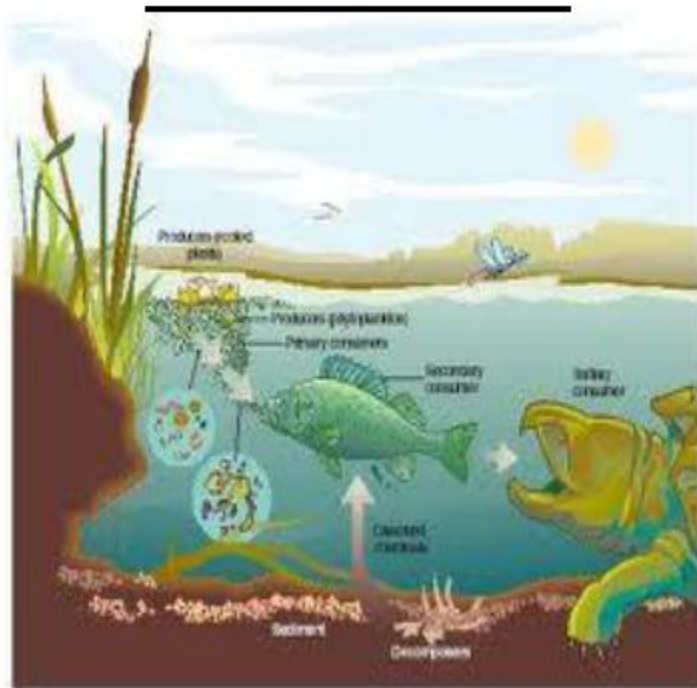
4.E.2.1

How do your fossil
observations
compare and
contrast to today's
organisms?

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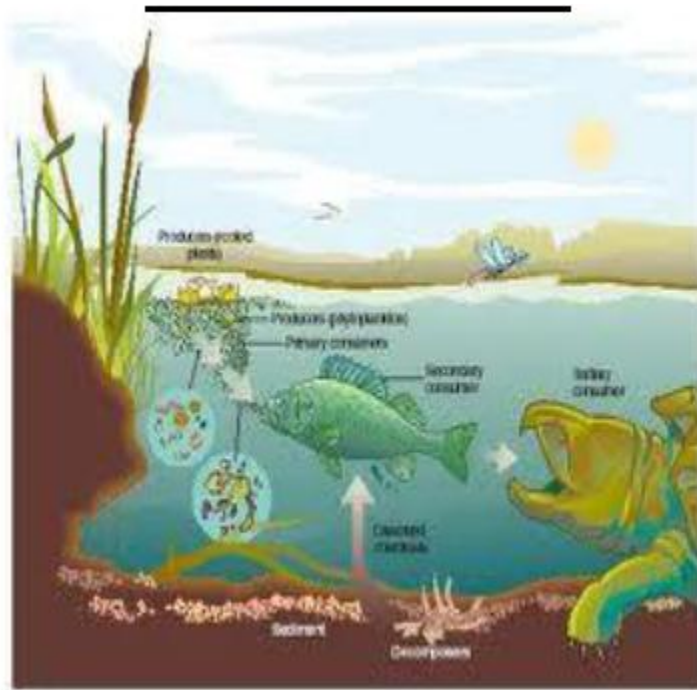
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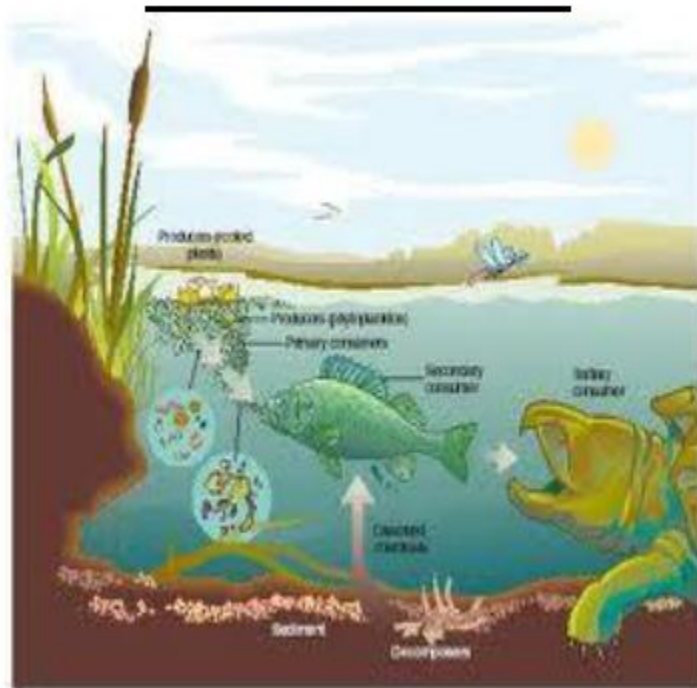
4.E.2.1

Will organisms that
are alive today
become fossils?



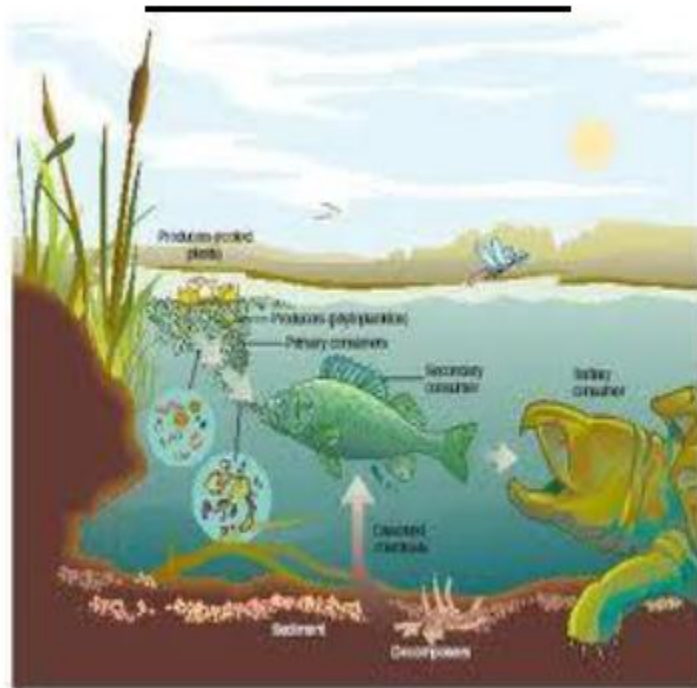
4.E.2.1

What did
prehistoric plants
and animals look
like?



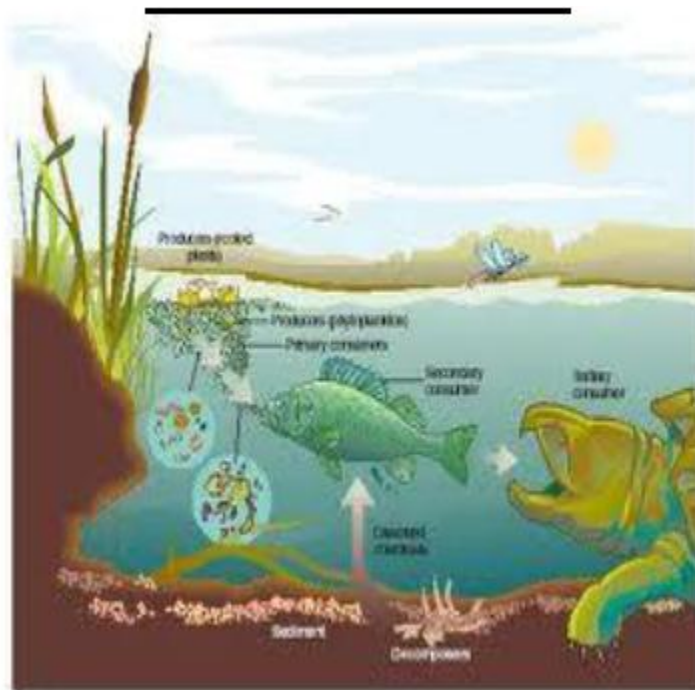
4.E.2.1

What did the
prehistoric world
look like?



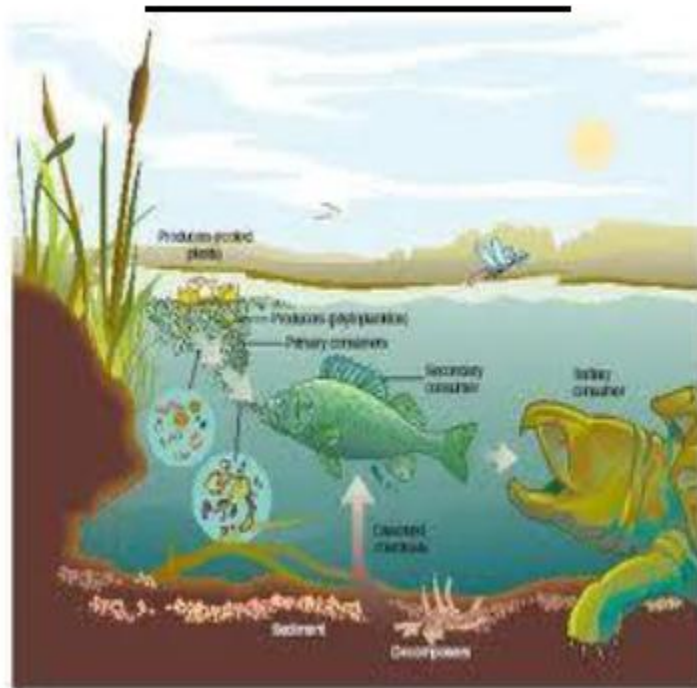
4.E.2.2

What types of information can be learned by studying fossils?



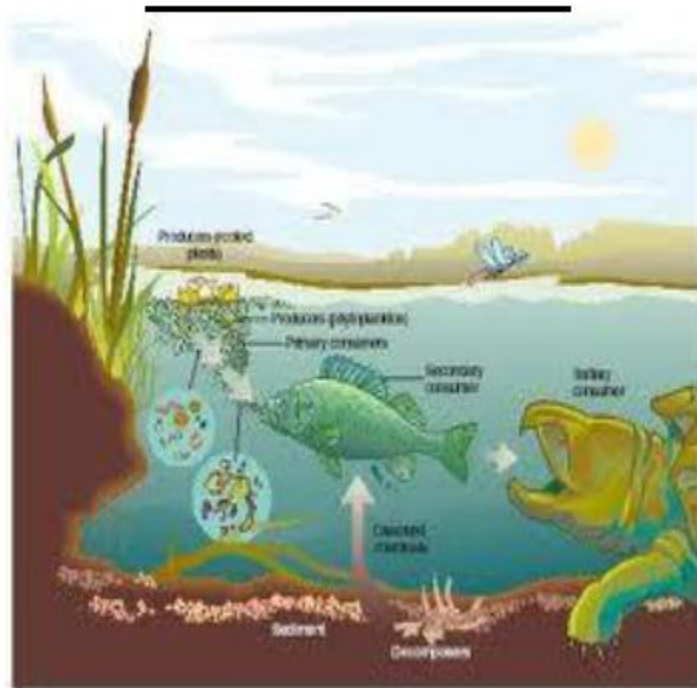
4.E.2.2

What were the conditions prehistoric plants and animals lived in?



4.E.2.2

What did early environments look like?



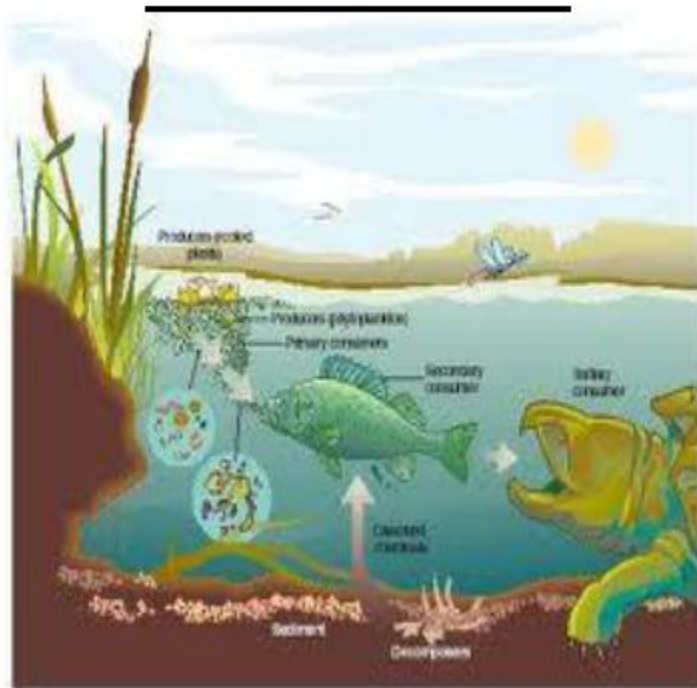
4.E.2.2

How can a scientist tell what kinds of environmental conditions existed in prehistoric times?

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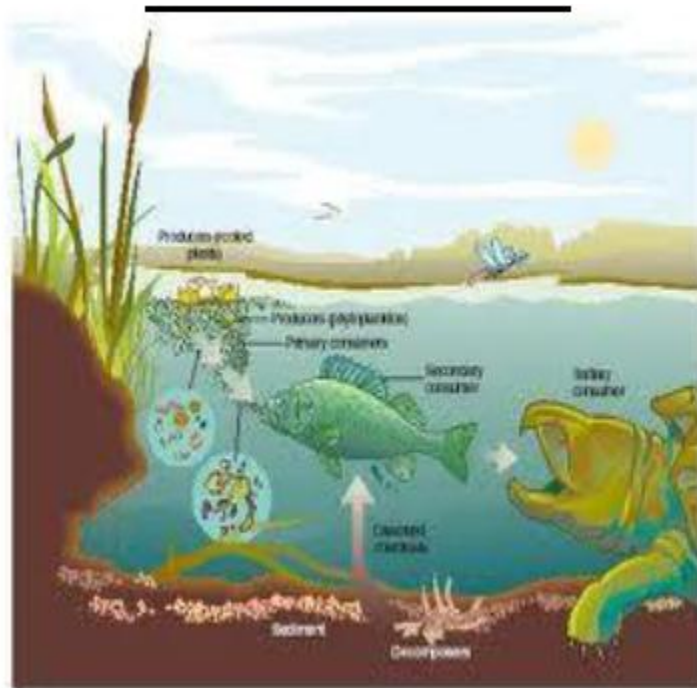
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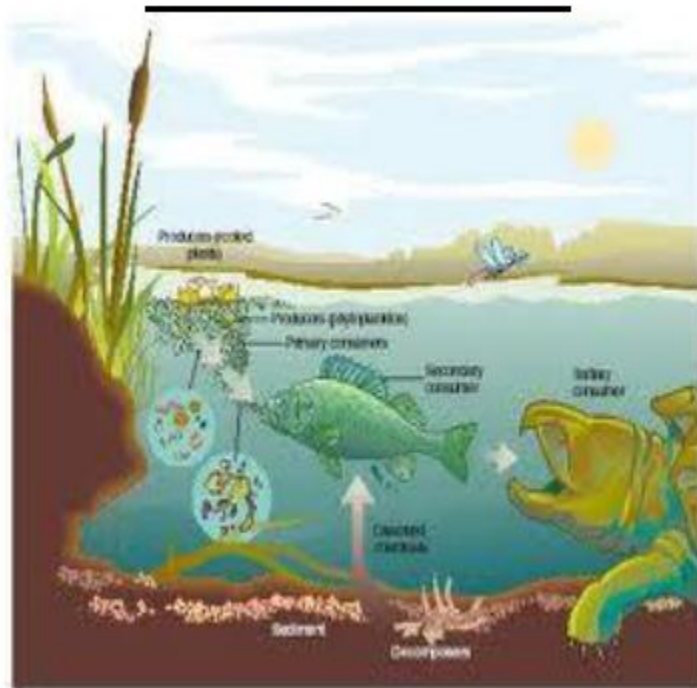
4.E.2.2

How do we know
how old any fossil
is?



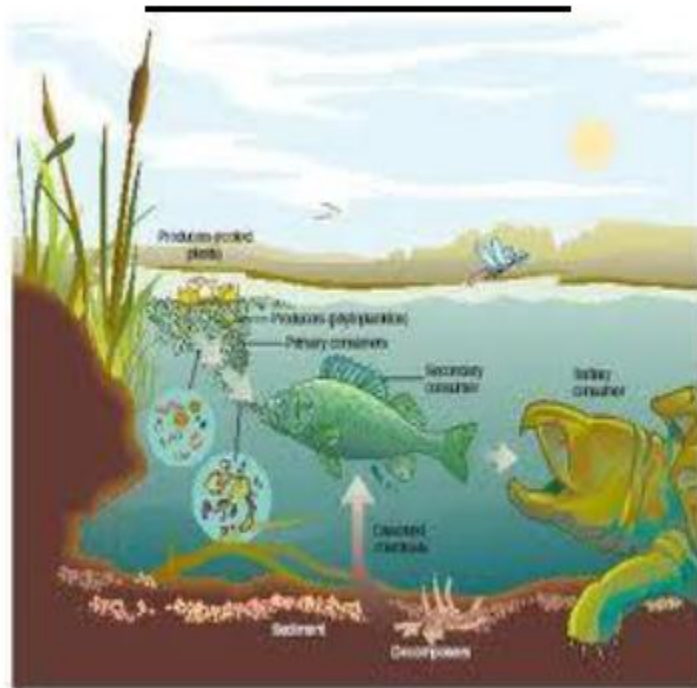
4.E.2.3

What is weathering?



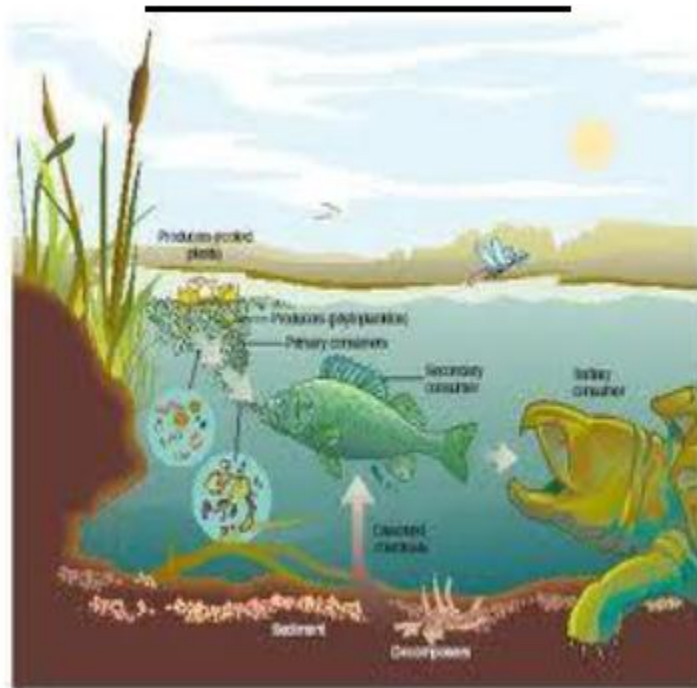
4.E.2.3

What is erosion?



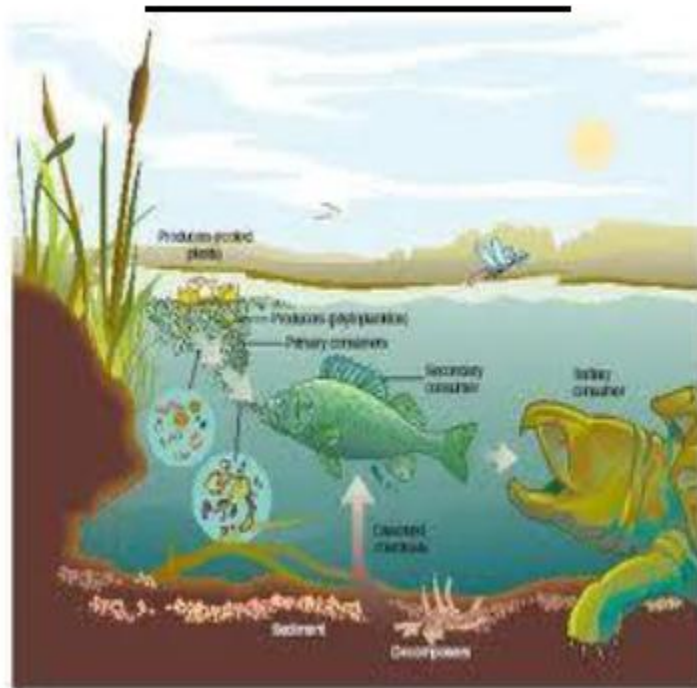
4.E.2.3

What is deposition?



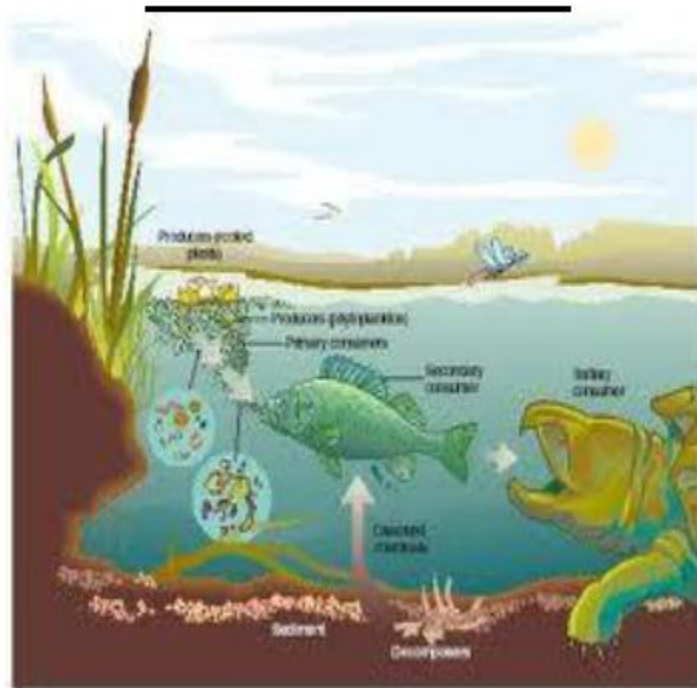
4.E.2.3

What are the causes and effects of a landslide?



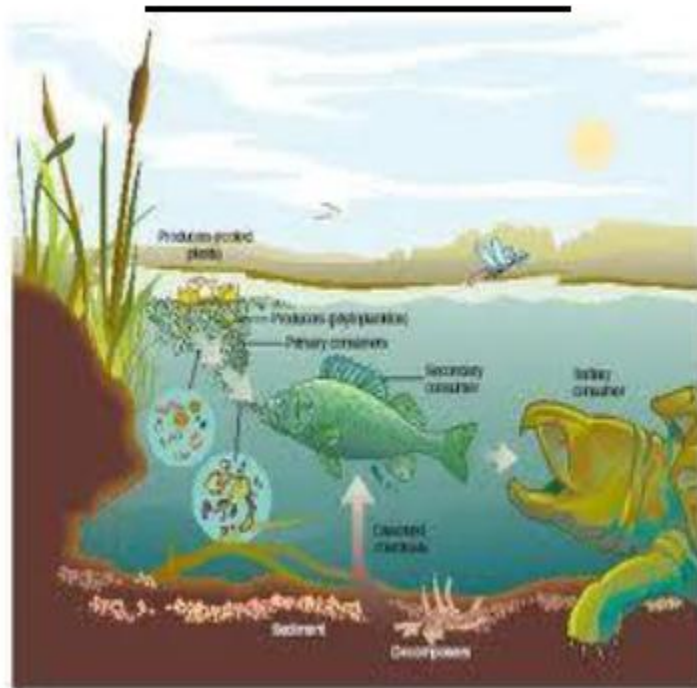
4.E.2.3

What are the causes and effects of a volcano?



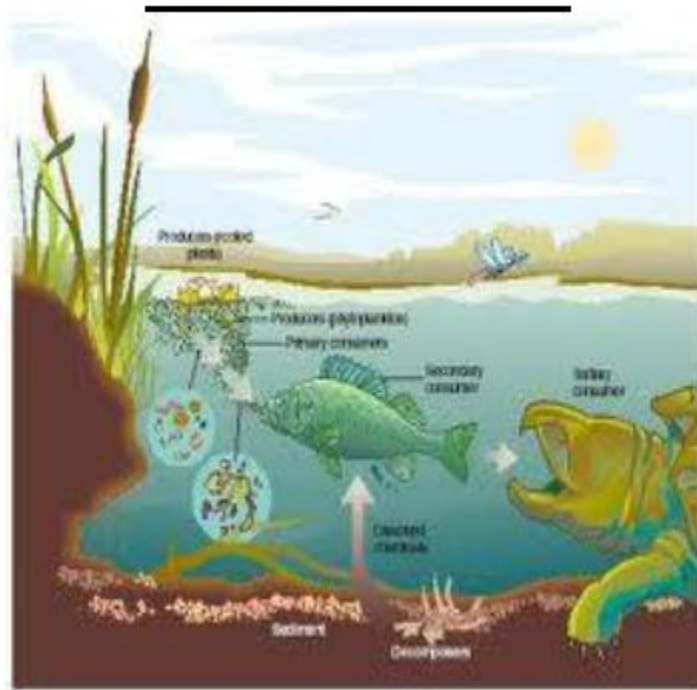
4.E.2.3

What are the causes and effects of an earthquake?



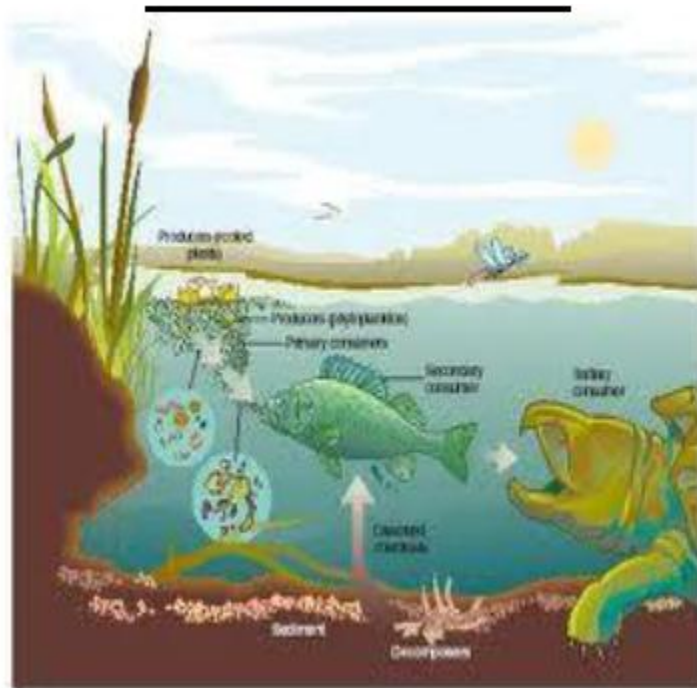
4.E.2.3

Which processes
cause subtle (slow)
changes in the
earth?



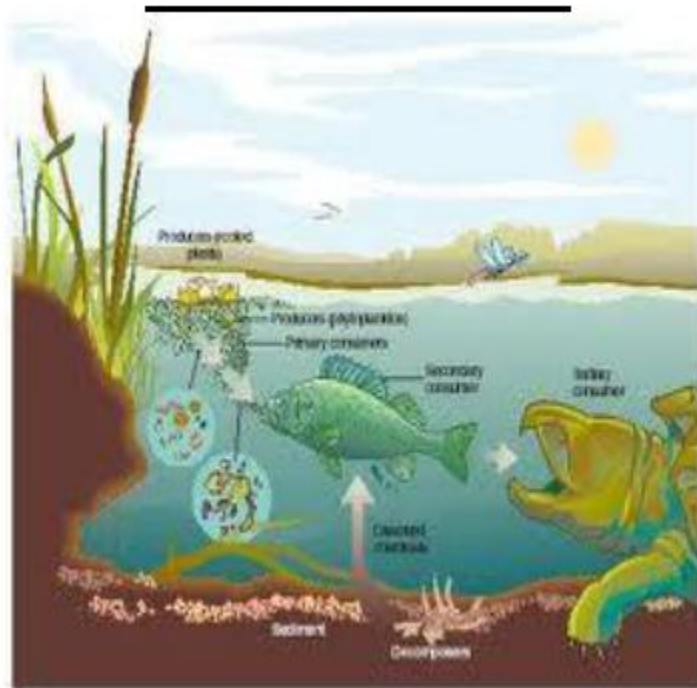
4.E.2.3

Which processes
cause rapid changes
in the earth?



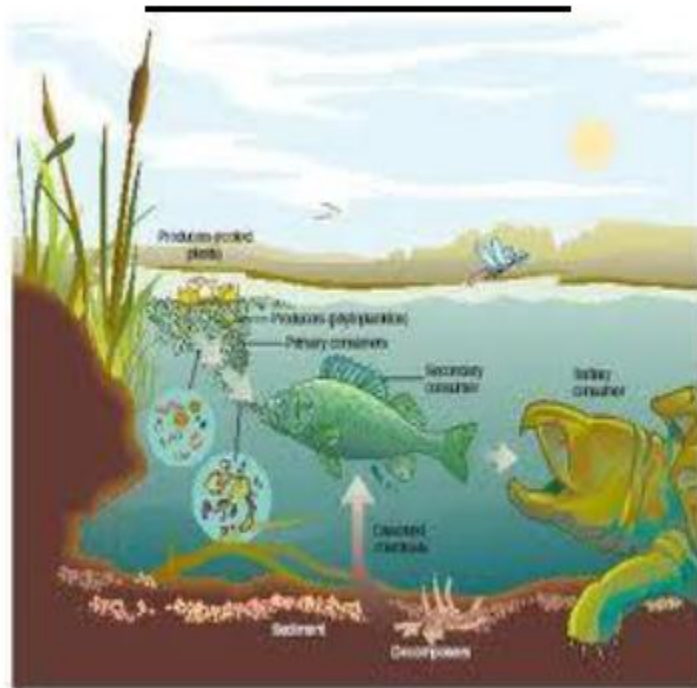
4.L.1.1

What are possible
changes in the
environment?



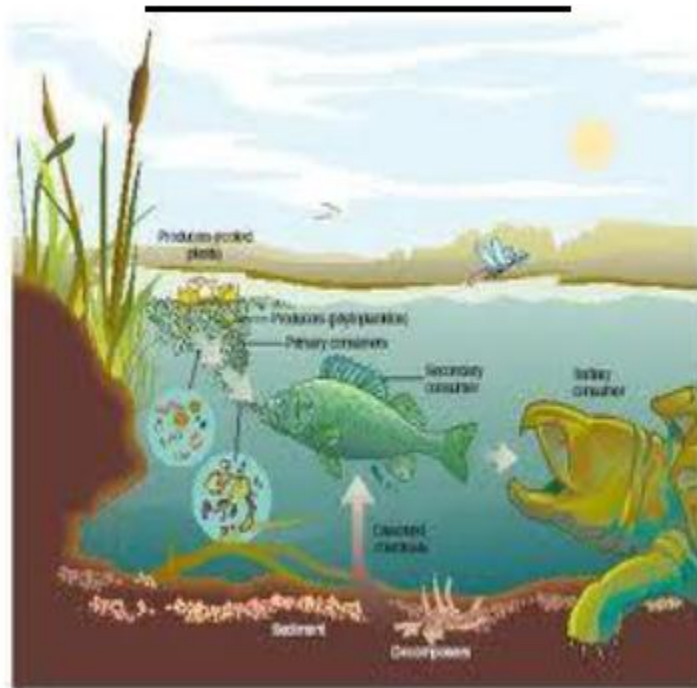
4.L.1.1

What is adaptation?



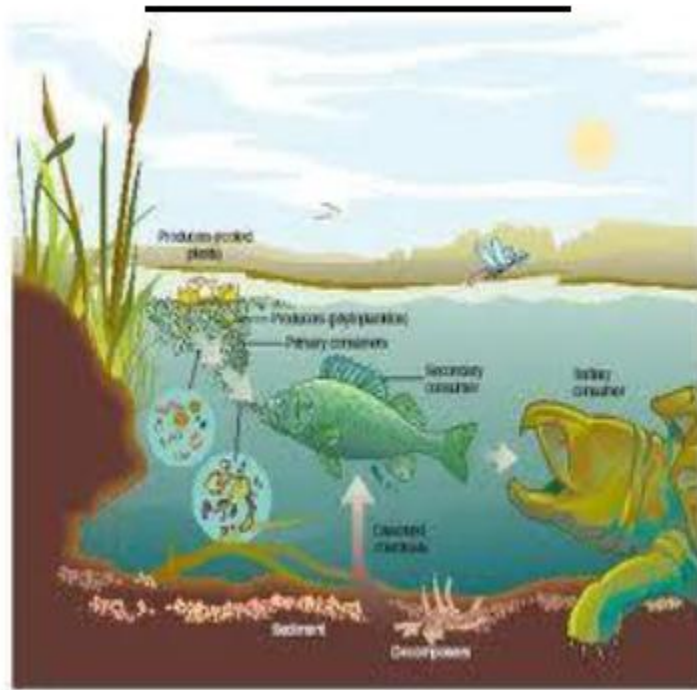
4.L.1.1

What are beneficial environmental changes?



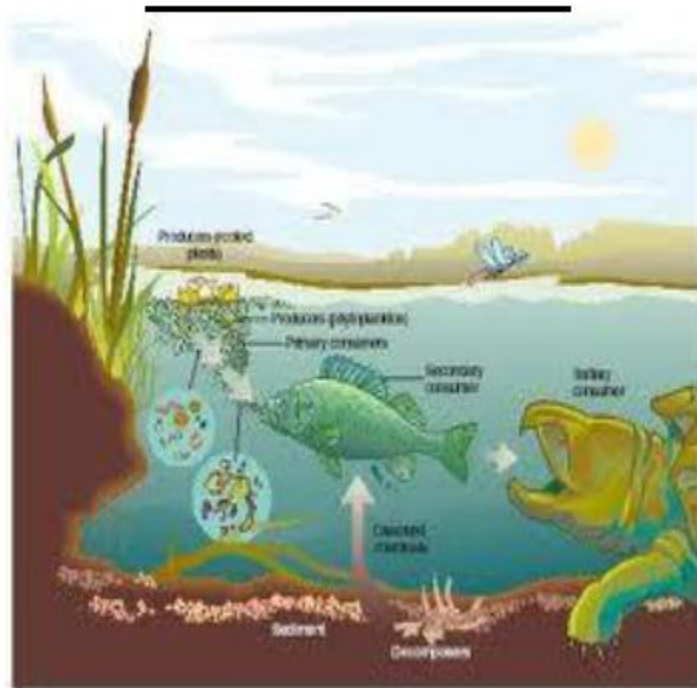
4.L.1.1

What are harmful environmental changes?



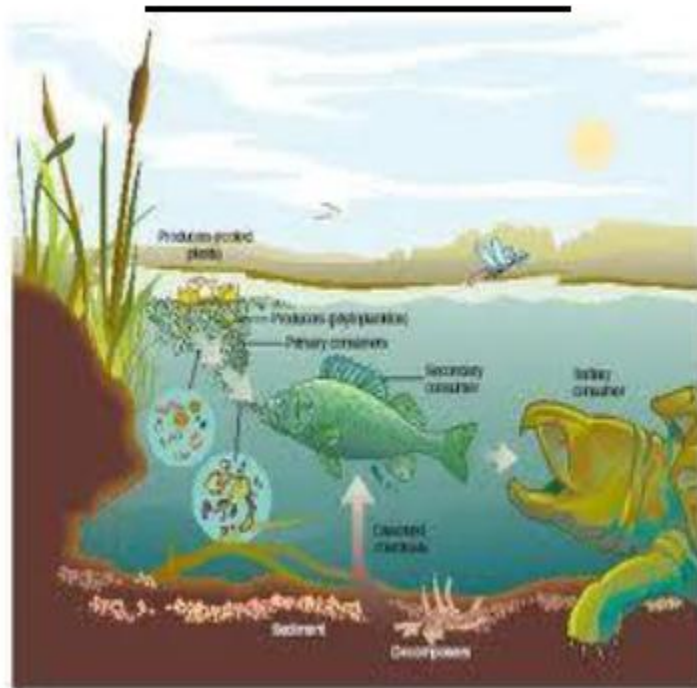
4.L.1.1

What effects do these changes have on organisms?



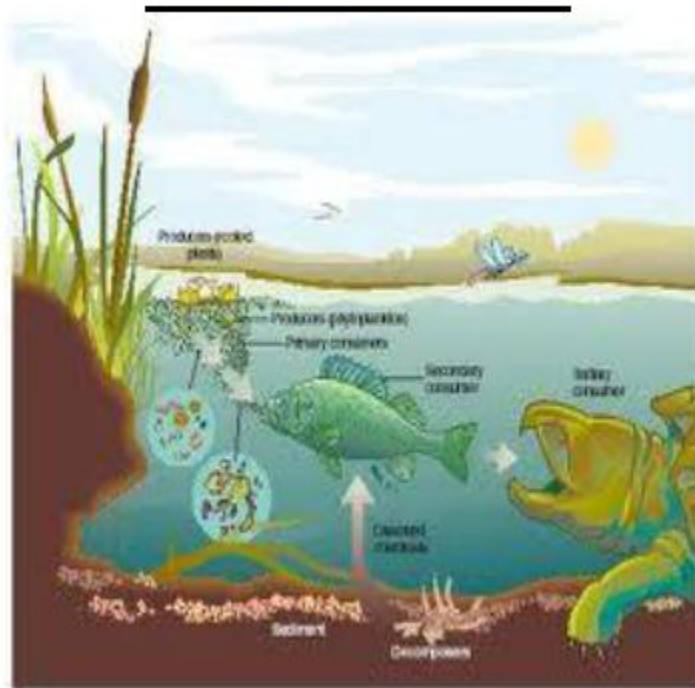
4.L.1.2

What are instinctive animal behaviors?



4.L.1.2

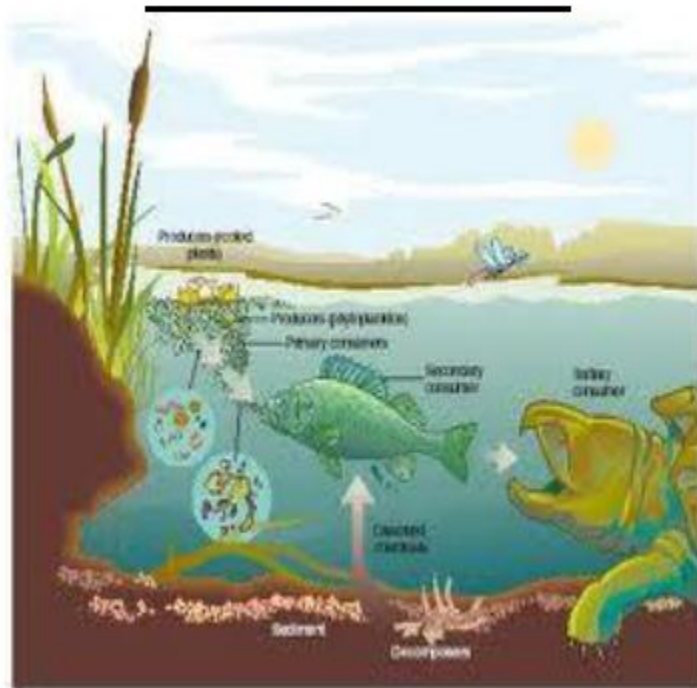
What are learned
animal behaviors?



4.L.1.2

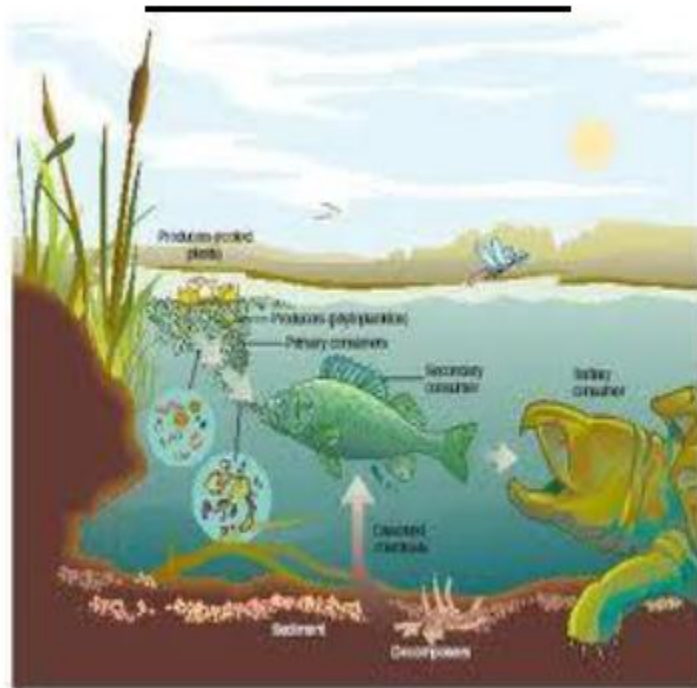
How do animal instincts help them survive (i.e. hibernation, migration, herding,

and stampedes)?



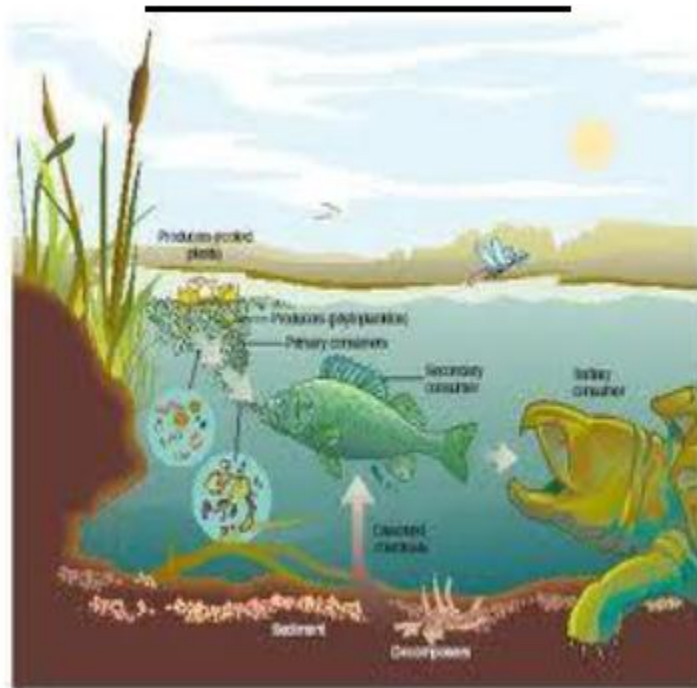
4.L.1.2

What Causes animal behavior to change?



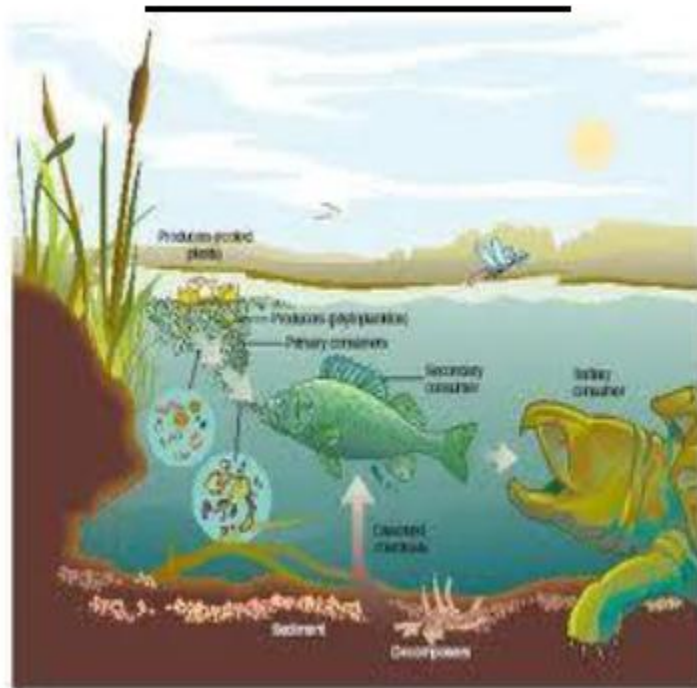
4.L.1.2

What Causes migration?



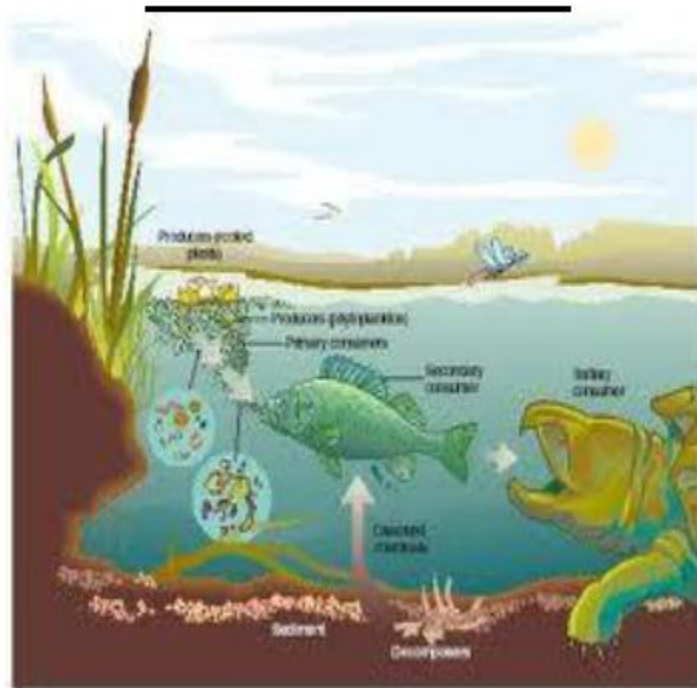
4.L.1.2

What Causes herding (in penguins)?



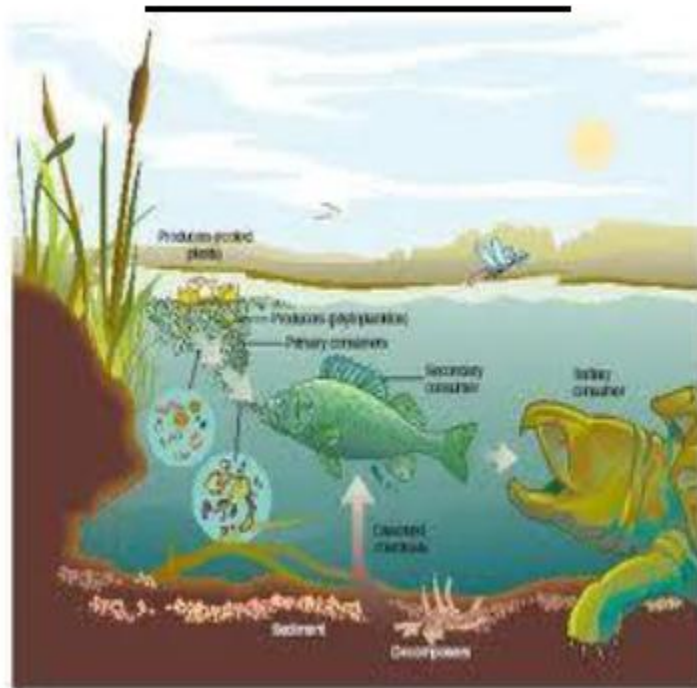
4.L.1.2

What Causes stampedes?



4.L.1.2

What Causes Camouflage?



4.L.1.2

What Causes animal adaptation?



4.L.1.3

Why do we reduce,
reuse, and recycle?



4.L.1.3

Why are people
rebuilding natural
environments (water
shed, rain gardens,

etc)?



4.L.1.3

How does reduce, reuse, and recycle affect the human habitat?



4.L.1.3

Why are we replanting?



4.L.1.3

What is reforestation?



4.L.1.3

Are human adaptive behaviors caused by environmental changes?



4.L.1.3

What additional
methods can
humans develop to
help rebuild our

environment?



4.L.1.4

What is natural selection?



4.L.1.4

What is evolution?



4.L.1.4

What is symbiosis?



4.L.1.4

How do habitat
changes influence
animal population?



4.L.1.4

How do species adaptations give advantages to the species for survival?



4.L.2.1

What is the
difference between
food and non-food
items?



4.L.2.1

What are the 6
nutrients and their
functions that
humans need to

survive?



4.L.2.1

Which foods provide energy?



4.L.2.1

Which foods
provide materials
for body repair?



4.L.2.2

What are the roles of minerals?



4.L.2.2

How does exercise
help maintain a
healthy body?



4.L.2.2

How do vitamins,
minerals and
exercise interact to
maintain a healthy
body?

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