

WEATHERING

EROSION

DEPOSITION

WEATHERING

- GRADUAL PROCESS
- EVENTUALLY, EVERY ROCK IN WATER OR ON LAND WILL BE WEATHERED

-BREAKING ROCK APART BY WATER, WIND, OR OTHER AGENTS

AKA PHYSICAL

CHEMICAL 2 TYPES

-when rocks are broken down by chemical reactions

2 MAIN TYPES:

OXIDATION

- reddish brown crust forms when oxygen bonds with iron
- weakens rock

DISSOLVING BY ACIDS

- water can corrode certain rocks
- acid water dissolves them more quickly
- plant roots produce organic acids that can dissolve minerals in rocks



MECHANICAL



-when physical forces break down rocks

3 MAIN TYPES:

ICE WEDGING

-water in cracks freezes and expands forcing the crack to widen



ABRASION

-water and wind carry particles that hit rocks, slowly scraping away their surfaces



PLANTS & ANIMALS

- plant roots grow and crack rocks
- some animals burrow into the ground



EROSION GO

-THE REMOVAL OF WEATHERED MATERIAL. MOVING



- water running off land carries sediment
- glaciers slowly move and carry sediment
- wind can carry sand and dust

DEPOSITION STOP

THE PROCESS OF WATER, WIND, OR GRAVITY DEPOSITING OR DROPPING SEDIMENT (LOOSE PIECES OF ROCKS)



GRAVITY

-FORCE THAT DRIVES EROSION AND DEPOSITION



WEATHERING

-BREAKING ROCK APART BY
WATER, WIND, OR OTHER AGENTS

WEATHERING

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-GRADUAL PROCESS

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WEATHERING

A.K.A. PHYSICAL



CHEMICAL

2 TYPES

MECHANICAL



WEATHERING



CHEMICAL

*One Type of
Weathering*

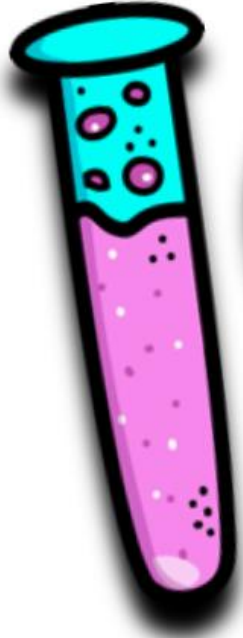
WEATHERING



CHEMICAL

-when rocks are broken
down by chemical reactions

WEATHERING



CHEMICAL

-when rocks are broken down by chemical reactions

2 MAIN TYPES:

WEATHERING



CHEMICAL

2 MAIN TYPES:

Type 1:

OXIDATION

WEATHERING



CHEMICAL

2 MAIN TYPES:

Type 1: OXIDATION

-reddish brown crust forms when oxygen bonds with iron

WEATHERING



CHEMICAL

2 MAIN TYPES:

Type 1: OXIDATION

- reddish brown crust forms when oxygen bonds with iron
- weakens rock

WEATHERING

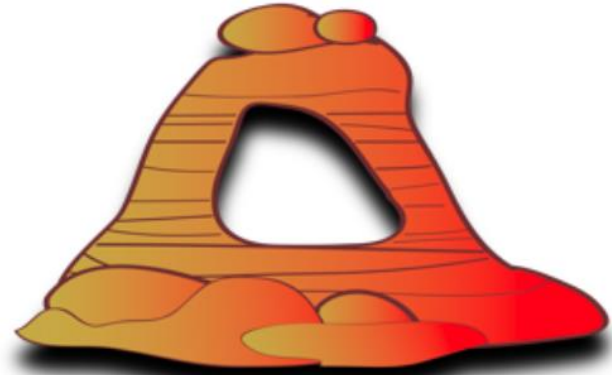


CHEMICAL

2 MAIN TYPES:

Type 1: OXIDATION

- reddish brown crust forms when oxygen bonds with iron
- weakens rock



WEATHERING



CHEMICAL

2 MAIN TYPES:

DISSOLVING BY ACIDS

Type 2:

WEATHERING



CHEMICAL

2 MAIN TYPES:

DISSOLVING BY ACIDS

-water can corrode certain rocks

Type 2:

WEATHERING



CHEMICAL

2 MAIN TYPES:

DISSOLVING BY ACIDS

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- acid water dissolves them more quickly

Type 2:

WEATHERING



CHEMICAL

2 MAIN TYPES:

DISSOLVING BY ACIDS

- water can corrode certain rocks
- acid water dissolves them more quickly
- plant roots produce organic acids that can dissolve minerals in rocks

Type 2:

WEATHERING



CHEMICAL

2 MAIN TYPES:

DISSOLVING BY ACIDS

-water can corrode certain rocks

-acid water dissolves them
more quickly

-plant roots produce
organic acids that can
dissolve minerals in rocks

Type 2:



WEATHERING



CHEMICAL

2 MAIN TYPES:

DISSOLVING BY ACIDS

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-acid water dissolves them

more quickly

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dissolve minerals in rocks

Type 2:



One Type of Weathering



CHEMICAL

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2 MAIN TYPES:

OXIDATION



-reddish brown crust forms when oxygen bonds with iron
-weakens rock

DISSOLVING BY ACIDS

-water can corrode certain rocks
-acid water dissolves them more quickly



-plant roots produce organic acids that can dissolve minerals in rocks



WEATHERING

A.K.A. PHYSICAL

MECHANICAL



*Another Type of
Weathering*

WEATHERING

A.K.A. PHYSICAL

MECHANICAL



-when physical forces
break down rocks

WEATHERING

A.K.A. PHYSICAL

MECHANICAL



-when physical forces
break down rocks

3 MAIN TYPES:

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

Type 1:

ICE WEDGING

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

Type 1:

ICE WEDGING

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WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

Type 1:

ICE WEDGING

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WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

ABRASION

Type 2:

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

ABRASION

Type 2:

-water and wind carry particles that hit rocks, slowly scraping away their surfaces

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

ABRASION



Type 2:

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3 MAIN TYPES:

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WEATHERING

A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

PLANTS & ANIMALS



Type 3:

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

PLANTS & ANIMALS

Type 3:

-plant roots grow
and crack rocks

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

PLANTS & ANIMALS

Type 3:

- plant roots grow and crack rocks
- some animals burrow into the ground

WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

PLANTS & ANIMALS

Type 3:



- plant roots grow and crack rocks
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WEATHERING



A.K.A. PHYSICAL

MECHANICAL

3 MAIN TYPES:

PLANTS & ANIMALS

Type 3:



-plant roots grow
and crack rocks
-some animals
burrow into the
ground



The Second Type of Weathering

AKA. PHYSICAL MECHANICAL



-when physical forces
break down rocks

3 MAIN TYPES:

ICE WEDGING

-water in cracks freezes and
expands forcing the crack to widen



ABRASION

-water and wind carry
particles that hit rocks,
slowly scraping away
their surfaces



PLANTS & ANIMALS

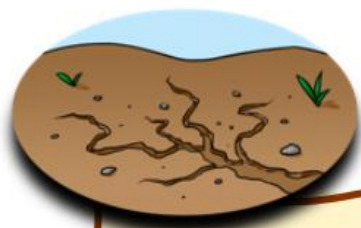
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EROSION





EROSION



-THE REMOVAL OF WEATHERED
MATERIAL. MOVING



EROSION



-THE REMOVAL OF WEATHERED
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EROSION



-THE REMOVAL OF WEATHERED
MATERIAL. MOVING



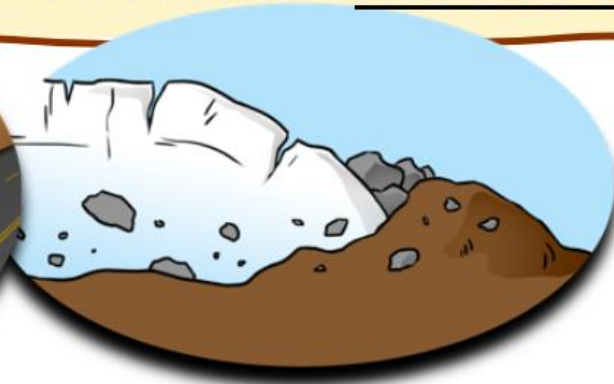
-water running
off land carries
sediment



EROSION



-THE REMOVAL OF WEATHERED
MATERIAL. MOVING



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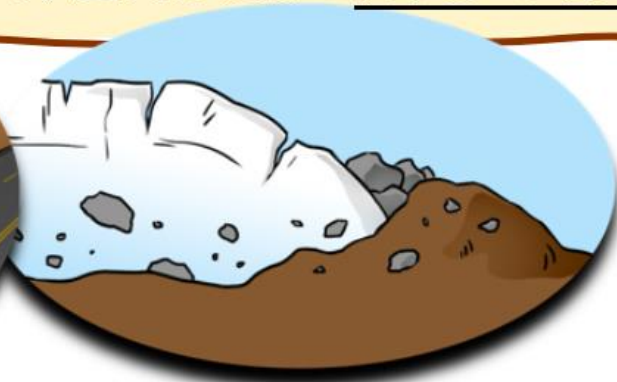
EROSION



-THE REMOVAL OF WEATHERED
MATERIAL. MOVING



-water running
off land carries
sediment



-glaciers slowly
move and
carry sediment



EROSION



-THE REMOVAL OF WEATHERED MATERIAL. MOVING

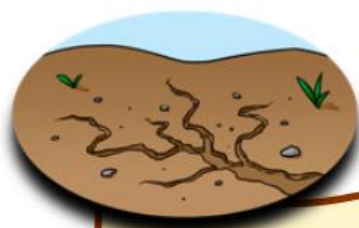


-water running
off land carries
sediment



-glaciers slowly
move and
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EROSION



-THE REMOVAL OF WEATHERED
MATERIAL. MOVING



-water running
off land carries
sediment



-glaciers slowly
move and
carry sediment



-wind can
carry sand
and dust

DEPOSITION



DEPOSITION

THE PROCESS OF WATER,
WIND, OR GRAVITY
DEPOSITING OR
DROPPING SEDIMENT
(LOOSE PIECES OF ROCKS)

DEPOSITION

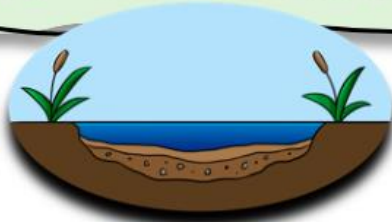
THE PROCESS OF WATER,
WIND, OR GRAVITY
DEPOSITING OR
DROPPING SEDIMENT
(LOOSE PIECES OF ROCKS)

*This is a
river delta.*



DEPOSITION

THE PROCESS OF WATER,
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DEPOSITING OR
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(LOOSE PIECES OF ROCKS)

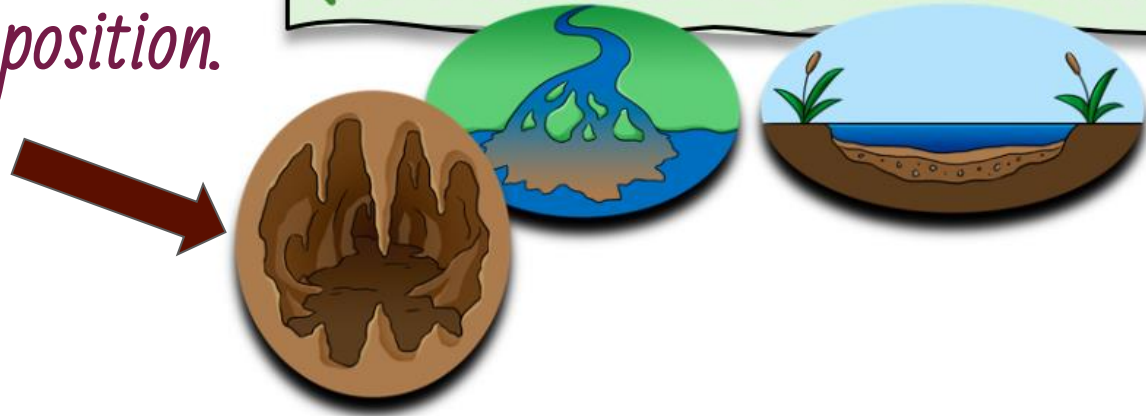


*This is
sediment
that has
been
deposited in
a pond.*

*This is a
cave.
Stalactites
and
Stalagmites
are formed
by deposition.*

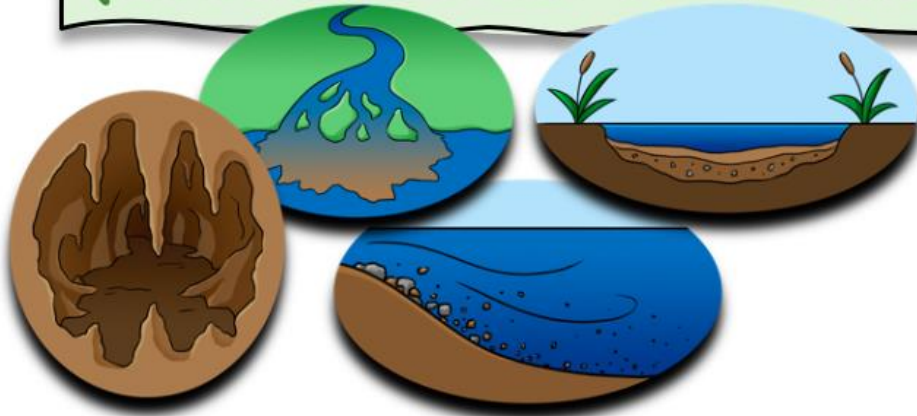
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THE PROCESS OF WATER,
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DEPOSITION

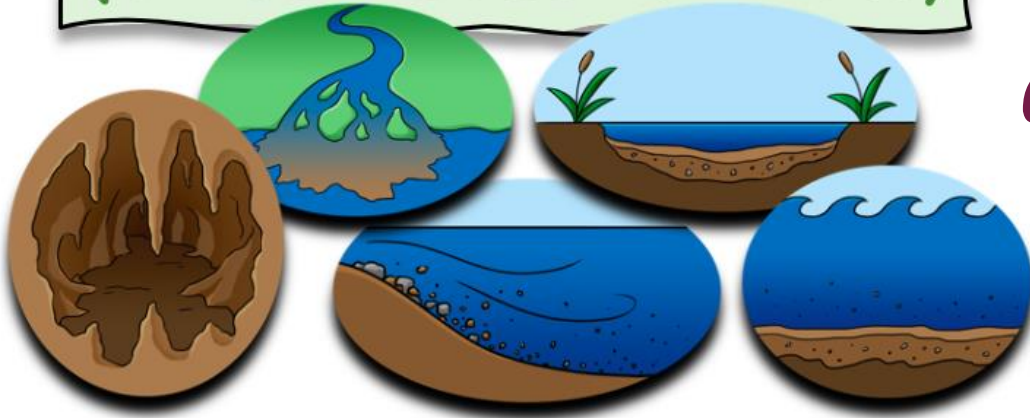
THE PROCESS OF WATER,
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DEPOSITION

THE PROCESS OF WATER,
WIND, OR GRAVITY
DEPOSITING OR
DROPPING SEDIMENT
(LOOSE PIECES OF ROCKS)

*This is
sediment
that has
been
deposited in
the ocean.*



GRAVITY



GRAVITY



-FORCE THAT
DRIVES EROSION
AND DEPOSITION