

## شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



## ملخص الدرس الثالث hydrosphere of Effect تأثير الغلاف المائي

موقع المناهج ← المناهج الإماراتية ← الصف الخامس ← علوم ← الفصل الثاني ← الملف

تاريخ نشر الملف على موقع المناهج: 04:42:56 2024-02-06 | اسم المدرس: Alameri Fatima

## التواصل الاجتماعي بحسب الصف الخامس



## روابط مواد الصف الخامس على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

## المزيد من الملفات بحسب الصف الخامس والمادة علوم في الفصل الثاني

<a href="#">أوراق عمل الدرس الأول Geosphere the of Effects من الوحدة الثالثة</a>	1
<a href="#">حل أوراق عمل الدرس الثاني المخاليط والدرس الثالث المركبات والتغيرات الكيميائية</a>	2
<a href="#">حل أوراق عمل الدرس الثاني water on Impact Human الثالثة الوحدة من resources</a>	3
<a href="#">حل مراجعة درس العناصر والفلزات واللافلزات وأشبه الفلزات</a>	4

المزيد من الملفات بحسب الصف الخامس والمادة علوم في الفصل الثاني

[أسئلة تدريبية اختبار القياس الدولي IBT](#)

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# Summary of lesson 3

Effect of hydrosphere

Miss Fatima Alameri

**Remember :**

**The hydrosphere** is all  
the water found on  
Earth.

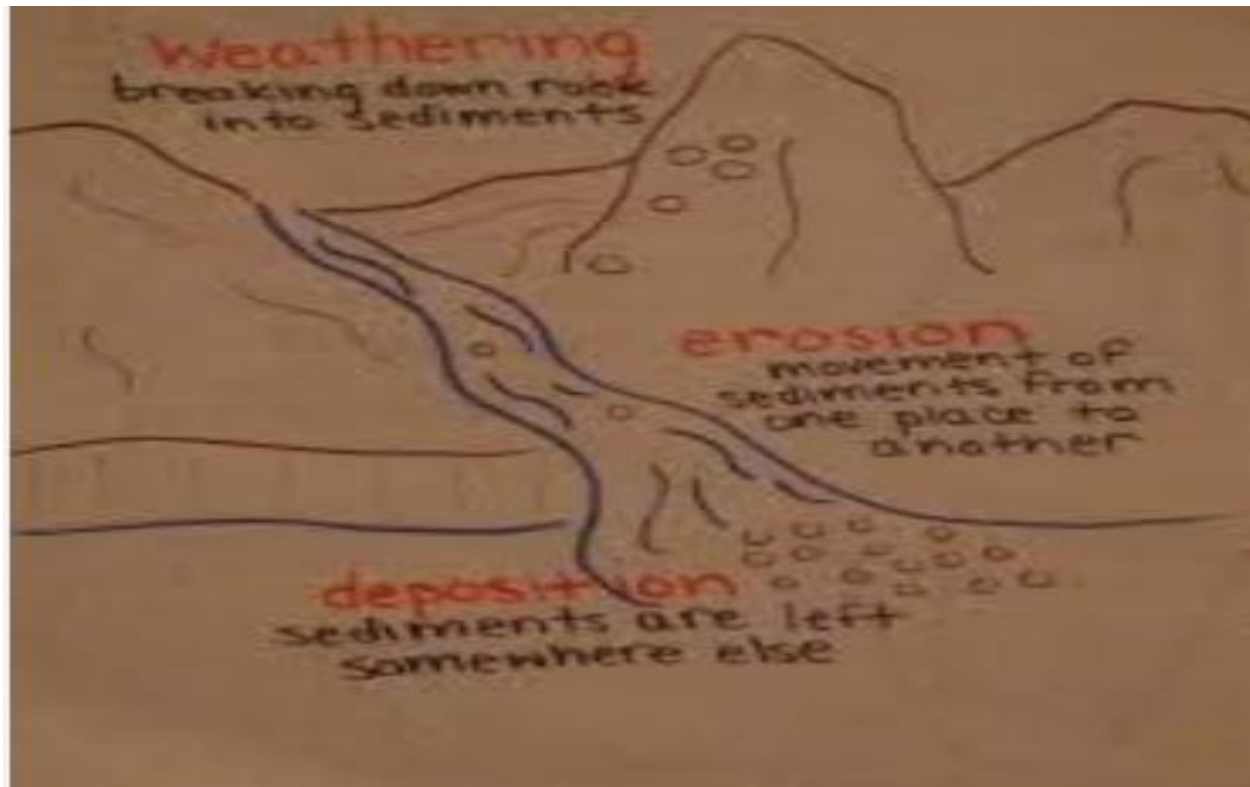
# Erosion and Deposition

Erosion and deposition work together to change the shape of the land.

**Weathering** : is the process of **breaking** rocks.

**Erosion**: The process of weathered rock **moving** from one place to another.

**Deposition** : The process of eroded materials being **dropped** off in another place.



# Erosion and Deposition by Running Water

Running water: Rivers and Streams.

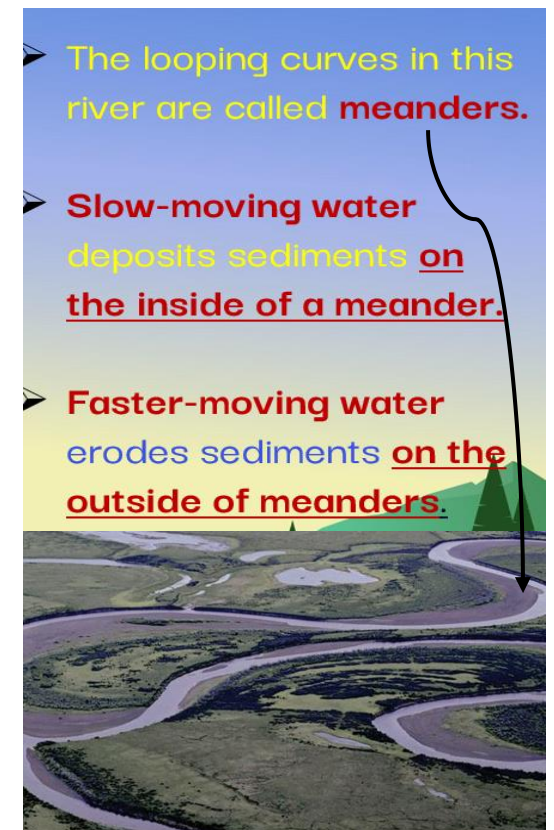


**Explain erosion by running water?**

As water runs downhill, it can wash away soil and erode rock.


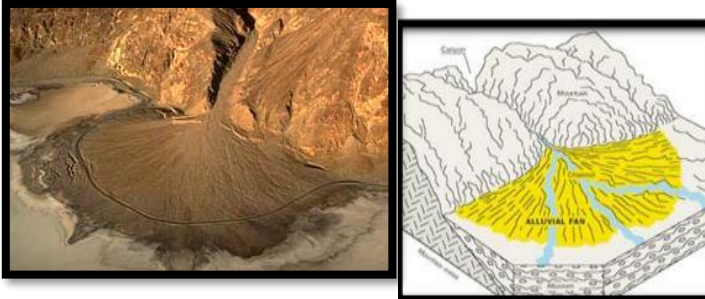
The water, soil, and rocks will eventually flow into a larger body of water, such as a river.

River	River with fast moving water	River with slow moving water
Energy	More energy	Less energy
Shape of path (straight or curved)	Straight path	Curved path
Size of sediment	Large sediment	Small sediment



# Deposition by Running Water

Deposition by Running Water can create new landforms such as **delta** and **alluvial fan** .

Landform	Delta	Alluvial fan
Picture		
Why its created ?	<b>Both landforms created because of <u>deposition of running water</u> .</b>	
How its created ?	<b>When a river flows into a <u>larger body of water</u>, and deposit sediment.</b>	<b>When a rushing river runs out of a <u>narrow canyon</u>, and deposit sediment .</b>



# Erosion and Deposition by Flood

## What is a **flood**?

When water collects on land that is normally dry.



## What is a **floodplain**?

A place that floods easily when river water rises.



## What causes the flood?

- 1- Heavy rain .
- 2-Overflowing river.
- 3-Storm surge .
- 4-Removing plants from river bank

## How can we reduce the effect of flood?

- 1-The presence of natural wetland.
- 2-The availability of plants in riverbank.

What are the negative and positive effects of flood or how flood can shape land?

**Negative effect** : carrying mud into homes and streets.



**Positive effect**: new soil deposits on the land. The nutrients in this soil help plants grow.



## What is a **Hurricane**?

is a very large, swirling storm that forms on the surface of tropical oceans.



## How did hurricanes lead to floods or how did hurricanes change the shape of land?

When a hurricane moves toward a coast →

winds and waves can force large amounts of water onshore.



This event is called a **storm surge** .

# Erosion and Deposition by glaciers

**What is a glacier?** A thick sheet of ice that moves over the land.

- (.1..) New heavy snow falls on top of old snow and pushes down against it.
- (.2..) Over time, the snow collects and gets pressed together.
- (.3..) The heavy snow and ice put lots of pressure on the bottom of the glacier causing the part closer to the ground to melt.
- (.4..) The glacier begins to move.

**How do glaciers change the shape of land?**

- 1- It tears rock from the ground.
- 2-It scratches, flattens, breaks,
- 3- carries away things in its path.
- 4-It can make a valley wider and steeper.
- 5-It can carve grooves into Earth's solid rock surface.

**Where can we find most of the glacial debris?**

At the end of glaciers (terminus )

