



قناة الناظر التعليمية – مستر مجدي
ساينس ترم ثاني – الصف الرابع



EL-NAZER EDUCATIONAL CHANNEL
MR. MAGDY
SCIENCE-TERM 2 –PRIM 4



المراجعة النهائية .. أسئلة الملخصات
والمفاهيم على موقع الوزارة.

للتواصل والاستفسارات:
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1- Sand dunes are formed due todeposition

a- heat b- water c- winds d- rains

2-Rocks are carved out and reshaped in desert by the effect of..

a- sandstorms b- water

c- heat and pressure d- rains

2-Rocks are carved out and reshaped by the effect of

a- sandstorms b- water

c- heat and pressure d- rains

4- A deep valley that has steep sides is called

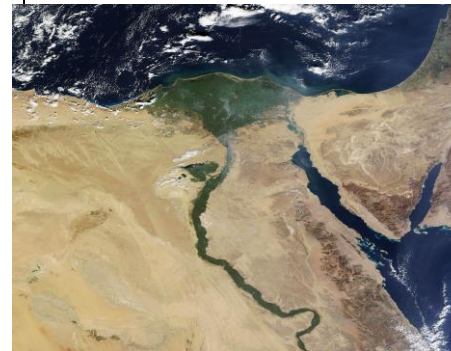
a- Nile valley b- delta c- canyon d- sand dunes

5-pulls the rain water down.

a- Weathering b- gravity c- Deposition d- Erosion

6-and sand work together to carve rocks.

a- Wind b- gravity c- Rains d- Rivers



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للتواصل سواء من الغردقة او خارجها 01551604960 – 01274930947

Put ✓ or ✕

- 1- Canyons are formed by weathering and erosion. ()
- 2- Delta is formed by the effect of deposition process. ()
- 3- Valleys are the same as canyons. ()
- 4- Sand dunes are very high mountains. ()
- 5- Delta is a type of sand dunes. ()
- 6- The shape of a valley is determined by the age of rocks only. ()
- 7- Sediment contains very small grains of sand and mud. ()
- 8- The soil that forms the delta is low fertility soil. ()
- 9- Delta is formed when fast flowing water meets. ()
- 10- Sand dunes are not moved from a place to another. ()

Study the following figure and then answer the questions:

- 1- This rock was weathered by and
- 2- It takes To be reshaped. (days – years)
- 3- This weathering is most likely is



(Mechanical – chemical) weathering as the structure of the rock does not change.

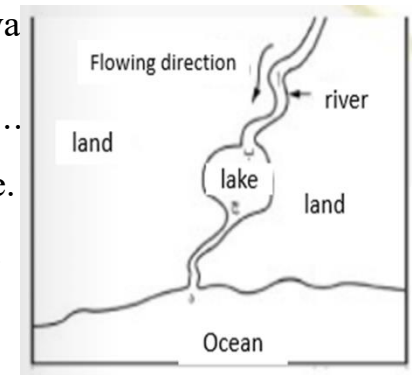
Study the following figure and then answer the questions:

- 1- Canyons have Sides.
(even – steep)
- 2- Canyons are special type of
(valleys – sand dunes)
- 3- This figure representssuch as
.....in the U.S.A.



Study the following figure and then answer the questions:

- 1- Delta is formed due to meeting ofwater with
- 2- We can expect formation of the delta between
And In this figure.
- 3- Deltas haveshape.
- 4- Deltas are formed due to theof water.



Write (determine) the factors that help to form the following landforms:

Landforms	Factors
Canyon	
Sand dunes	
Delta	
Valley	

Write the scientific term:

- 1- Contains very fine bits of sand and clay.
- 2- Hills of moving sand.
- 3- Lowland area between mountains its side are less steep.
- 4- A triangular-shaped area formed from deposition of silt.
- 5- A deep valley formed by carving of water to mountains.

Check 1

A: Complete using what is between brackets

(heat – sandstorms- water – moving sand grains)

- 1- Rocks in desert are carved by
- 2- Sand dunes are
- 3- The valley is formed due to the effect of

B: put ✓ or ✗

- 1- The depth of the valley is determined by how fast the water flows. ()
- 2- Delta contains silt (sediment). ()
- 3- Canyons are similar in color. ()
- 4- The shape of the valley depend on the speed of the river. ()
- 5- Delta is formed as a result of deposition. ()

C: Study the following figure and then answer

In the figure one of the landforms that is formed due to winds, is (mountains – sand dunes)

This figure is formed due to
(erosion of wind – erosion of water)

What is the reason for forming sand dunes in some places?



Check2

A: Complete using what is between brackets

- 1-is formed when flowing water meets still water.
(Delta – Valley)
- 2- A deep, steep valley is called
(mountain – canyon)
- 3- Sand dunes
(always move – never move)
- 4- attracts or pull water downhill.
(Gravity – rains)

B: Match

A		B
1- Canyon		a- Jordan
2- Silt		b- In Egypt
3- Delta		c- Hills of moving sand.
4- White canyon		d- Contain very fine sand and clay.
		e- Between the two Nile branches.
		f- Deep valley.

1- () 2- () 3- () 4- ()

C: Answer the following:

- 1- Mention the factors that form the valley.

.....
.....
.....

- 2- How canyons are formed?

.....
.....
.....

Check 3

A: Choose the correct answer.

- 1- Gravity helps pull rainwater (down – up)
- 2- The soil of delta isin fertility. (low – high)
- 3- The greatest canyon in the world is the (White canyon – Grand canyon)
- 4-is formed due to water deposition. (Delta – Sand dunes)
- 5- Sand dunes are formed due tothat carry sand. (rain – wind)

B: Cross the odd one out;

Sand dunes - sand – wind – water
Delta - silt – wind – water
Rocks - Rain – wind – Sand
Water - Canyon – Valley – Plains

C: Study the following figure:

This figure shows

This figure is formed

due to Process.



This figure is (high – low) fertility soil.

This figure is formed due meetingwater with
.....water.

Concept 4.1

A: Put ✓ or ✗

- 1- From the factors that move the particles of Earth's surface from a place to another is rocks and plant's leaves. ()
- 2- Winds can move soil particles from a place to another and break down rocks. ()
- 3- Earth's surface always changes over time. ()
- 4- Canyons are formed due to carving f wind only. ()
- 5- Erosion means breaking down of rocks into smaller particles. ()
- 6- Deposition means laying sediments in a new place. ()
- 7- Roots of plants can grow under the pavements leading to cracking or splitting it. ()
- 8- Dropping of sediment in a new place is known as weathering. ()
- 9- When rocks are exposed to acid rain, chemical weathering takes place. ()
- 10- Weathering takes place in a short period of time. ()
- 11- Breaking down of rocks without any change in its structure (nature) is known as chemical weathering. ()



12- Breaking down of rocks without any change in its structure (nature) is known as mechanical weathering. ()

13- Breaking down of some parts of a mountain is an evidence of weathering occurrence. ()

14- Rocks are deposited and then eroded. ()

15- Deposition and erosion are different processes but related to each other. ()

16- Erosion is gathering of weathered rocks in new places away from the place in which they were broken down. ()

17- Sediment is remains of rocks that were weathered, eroded, and finally deposited. ()

18- Rocks are broken down into small pieces by deposition and moved from place to another due to erosion. ()

19- Erosion factors are rain, sea waves, and gravity.

20- If you saw sand sediment, it means that it was eroded SOMEWHERE else. ()

21- Erosion takes place after weathering and deposition processes. ()

22- Delta is formed when the river carries sediments and deposits then on meeting the sea. ()



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مراجعة
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أهم
الافكار
والأسئلة

المراجعة النهائية .. أسئلة الملخصات
والمفاهيم على موقع الوزارة.

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لحجز كتاب الناظر للصف الرابع او الخامس او السادس للعام القادم 2025/2024
يرجى التواصل علي نفس الأرقام سواء من الغردقة او اي مكان في مصر والبلاد
العربية.



Mr. Magdy Khalaf

Founder and author of Elnazzer BOOK & CHANNEL

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- 1- All the following are from the factors that move particles of Earth's surface to a new place except
(*plants leaves - water - wind - weather changes*)
- 2- The process that takes place when sand or broken down rocks move to another place.
(*Weathering - Erosion - deposition – desertification*)
- 3- Which one is a factor of mechanical weathering?
(*Acid rain - growing of living organisms like lichens - Plants roots – Oxygen*)
- 4- The process of breaking down rocks into small pieces is called.....
(*Weathering - Erosion - deposition – desertification*)
- 5- How can frozen water breaks rocks down?
(*Make the rocks the same for a long time - keeps the rocks in its place. – expands cracks and break rocks - change colors*)
- 6- Breaking down of rocks and eroding it by the effect of acids is called
(*Mechanical weathering – erosion – chemical weathering – deposition*)

Q3- complete the following

- 1- Canyons are formed by the effect of
- 2-andcan move the small particles of Earth's surface from a place to another.

- 3- Some Changes on the Earth's surface take place fast such as
- 4-causes moving and laying of sand in another place.
- 5- Rocks erosion (corrosion) by acids is a considered a kind of
- 6- Breaking down a piece of biscuit is closer in meaning to.....
- 7- Dissolving of minerals found I rocks by water and then combining again is a type of
- 8-changes the rocks structure and form a new substance.
- 9-process takes place in rocks after weathering process.
- 10- Rocks are broken down byprocess and moved to another place bywhile this sediment is settled down in a new place byprocess.
- 11-,,are from the factors of erosion.
- 12- Sea Waves move sand to another place forming small On beaches.



Q4 – Write the scientific term:

- 1- Remains of broken down rocks that was eroded and deposited such as sand, mud ...etc.
- 2- It is formed when the river carries the sediment and drops them on meeting the sea.
- 3- The process that collects the sediment in a new place after being eroded.
- 4- A type of weathering takes place when the atmospheric oxygen reacts with the iron in the rocks.
- 5- A type of weathering that breaks down rocks without changing its structure.
- 6- The process that breaks rocks into smaller pieces.

Concept 3.3

Q 1- Choose the correct answer:

- 1- From the renewable energy resources is
A- Water B- Coal C- natural gas D – Oil
- 2- We can use the energy ofto generate electricity from solar panels.
A- Water B- Wind C- natural gas D – Sun

3- The main source of energy on Earth is

A- Water B- Wind C- natural gas D – Sun

4- Cooking food using conferring

A- Water B- Wind C- mirrors D – wood

5- All of the following are renewable energy resources except ...

A- Water B- Wind C- Coal D – Charcoal

6- Hydroelectric energy can be produced from

A- Water B- Wind C- Coal D – Charcoal

7- Watermills and Windmills are used before in

A- lighting streets B- lighting homes
B- C- crushing grains D – generating electricity

8- Gravitational potential energy is converted into kinetic energy in

A- windmills B- Hydroelectric dams

C- Wind turbines D – all of the previous

9- Kinetic energy is converted into electric energy in

A- Solar panels B- Water turbines C- Wind turbines D – B and C

10-converts kinetic energy into electric energy.

A- watermill B- generator C- turbines D – Solar panels



Q2- Complete the following

- 1- A source of renewable energy is(sun – coal)
- 2- A nonrenewable resource is(Wind – oil)
- 3- Converts kinetic energy into electric energy
(electric generators – turbines)
- 4- Wind energy is a type of (kinetic – potential) energy.
- 5- Gravitational energy is a type of (kinetic – potential) energy.
- 6- Convert solar energy into electric energy
(Solar panels – Generators)

Q3- Put ✓ or ✗

- 1- Watermills and windmills are used in generating electricity.
- 2- Solar energy can be used in heating water. ()
- 3- Wind turbines depend on gravitational potential energy. ()
- 3- Water turbines depend on changing gravitational potential energy. ()
- 4- Windmills are different from wind turbines in number of blades. ()
- 5- Electric energy can be generated by building dams on rivers. ()
- 6- Kinetic energy is converted into electric energy in wind turbines. ()
- 7- Kinetic energy is converted into potential energy when water falls down. ()

- 8- Dams are built on river as water is nonrenewable resource of energy. ()
- 9- Dams have some negative effects on some living organisms. ()
- 10- In solar panels solar energy is converted into electric energy.()
- 11- In Greenhouses radiant energy is converted into thermal energy. ()
- 12- Electric energy can transmuted and stored in electric generators. ()

Q4: Give a scientific reason

- 1- Coal or Oil is a nonrenewable energy resource.
.....
.....
- 2- Water and Biofuel are renewable energy resources.
.....
.....
- 3- Generator is very important in electric power stations.
.....
- 4- Battery is very important
.....
- 4- formation of limestone caves
.....

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5- Chemical weathering is harmful.

.....

6- Canyons and coastal rocks are from slow changes.

.....

7- Sandcastles are from fast changes.

.....

8- We should conserve energy.

.....

How to conserve energy?

.....

.....

نموذج استرشادي

Q1: A: Choose the correct answer:

1- In remote-controlled-toy carenergy is converted into electric energy .

(chemical - thermal - sound - light)

2- Electric wires are made of

(wood – glass – copper – clay)

3- is the change in structure of the rocks.

(Mechanical weathering – Deposition process

Weather – Chemical weathering)

4- Delta is formed due toprocess.

(weathering – Erosion – Deposition – deforestation)

B: Write the scientific term

1- The process of moving the broken down rocks to another place.

Q2: A: complete the following using what is between brackets:

1- It is a nonrenewable resources of energy

(fossil fuel – biofuel)

2- It is a renewable resources of energy(Oil – Water)

2- When fuel is burntenergy is produced

(thermal – chemical)

4- Canyons taketo be formed.

5- Sedimentary rocks are formed from layers of

B: Give a reason for

Earth's surface always changes.

.....

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Q3: Put ✓ or ✗

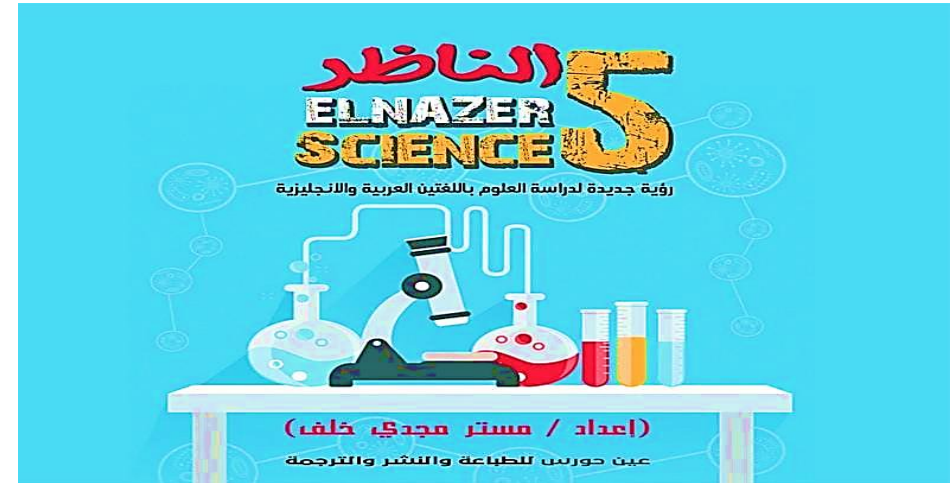
- 1- In the light bulb, electric energy is converted in light energy. ()
- 2- Smog can damage the respiratory system in humans.()
- 3- Oxygen gas causes rusting of rocks. ()
- 4- Breaking a piece of biscuit by hand is similar to weathering process in nature. ()

B: What happens when

- 1- Acid rains fall on rocks.
-

**Thanks****See you next year in JUNIOR 5****Bye****Mr. Magdy khalaf**

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