

(الأسئلة في ٥ صفحات)

Answer Four Questions Only**First Question:****(A) Underline the correct answer from those between the brackets for each of the following:**

- ١- The first type of rocks which was formed in the earth crust and it is called the mother of rocks. These are rocks
(igneous – sedimentary – organic – metamorphic)
- ٢- One of the primary geological structures in the earth's crust rocks are
(faults – folds – ripple marks – joints)
- ٣- A mineral which is used in the cement manufacture and its hardness reaches ٣ is
(hematite – calcite – galena – quartz)
- ٤- The science which studies the remains of living organisms, that can be found in the sedimentary rocks and by which we can determine the geologic age of these rocks is
(Structure geology – Physical geology – Stratigraphy – Paleontology)
- ٥- On adding water to anhydrite minerals, it turns into..... minerals.
(Kaolinite - Gypsum - Halite – Calcite)

(B) Choose from group (B) what is matching with each in group (A).**Put the letter indicating scientific term of group(B) between brackets in group (A).**

Group (A)	Group (B)
١) It can make its food at depth ١٥ meters in sea water. ()	(a) Temporary vegetation
٢) Places provide food for cattle herds which a man depends on as a protein source for food. ()	(b) Permanent vegetation
٣) Annual plants that appear after rains in winter and disappear by drought in summer. ()	(c) The natural grazing
٤) Places for protecting rare species that are exposing to extinction. ()	(d) Brown algae
٥) Microscopic organisms that take their food from the dead bodies. ()	(e) The natural protectorates
	(f) Decomposers

Second Question:

(A) Put the letter indicating the correct statement between brackets in front of each scientific term.

Terminology :

- ١- Photoperiodism () ٢- Fault () ٣- Joints ()
 ٤- Residual Soil () ٥- Stalagmites () ٦- Environmental Resource ()

Statements:

- a- Fractures present in all types of rocks without displacement.
 b- A soil formed in the place of the same original rock and characterized by the gradual texture of grain size.
 c- Everything found in the natural environment of components which man has nothing to do with its presence and depends on it in his various life aspects.
 d- Calcareous deposits grow from the floor of a cave.
 e- The relation between the light period and the darkness period that the plant is subjected to sequentially every ٢٤ hours.

(B) Give reasons by putting the letter of the correct reason between brackets:

- ١- Oil is not considered a mineral for a specialized geologist because it is ()
 a) solid matter
 b) inorganic
 c) liquid matter and has no definite chemical composition
 d) having distinct crystalline form
- ٢- Basalt rock is characterized by micro crystalline texture due to ()
 a) subject to pressure and temperature
 b) cohesion and lithification of grains by cementing material
 c) slow cooling of lava above earth surface
 d) fast cooling of lava above earth surface
- ٣- The colour property is of a little importance in mineral identification because the colours of most minerals are ()
 a) changing due to impurities
 b) not affected by impurities
 c) not affected by the differences in chemical composition
 d) having strong luster
- ٤- Phytoplankton spread in the surface layers of the marine ecosystem due to ()
 a) availability of light necessary for photosynthesis
 b) increasing of water pressure
 c) shortage of light
 d) increasing of salt concentration

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- ٥- The foliation property is shown in mica schist as a result of ()
- compaction of clay and mud components
 - exposure of granite to pressure and temperature
 - arrangement of mica crystals in one direction, perpendicular to the direction of pressing force
 - exposure of limestone to high temperature

Third Question:

(A) Put (√) in front of the correct statement and (×) in front the of incorrect statement:

- Regulated grazing causes degradation of trees and vagrancy of animals. ()
- The nonconformity surface is between layers, the older layers are tilted and the younger layers are horizontal. ()
- Large fishes contain highest level of energy in the marine ecosystem. ()
- Gold is one of the minerals that have nonmetallic luster. ()
- Some desert animals such as jerboas do not touch water all their life, since they feed on seeds and succulent plants to get water. ()

(B) Put (√) in front of rock type to which the following rocks belong:

	Rock Name	Rock Type		
		Igneous Rocks	Sedimentary Rocks	Metamorphic Rocks
١	Gypsum			
٢	Microdiorite			
٣	Quartzite			
٤	Gabbro			
٥	Conglomerates			

Fourth Question:

(A) Mention one example for each of the following.

(put the letter indicating each statement in front of the suitable example)

The example:

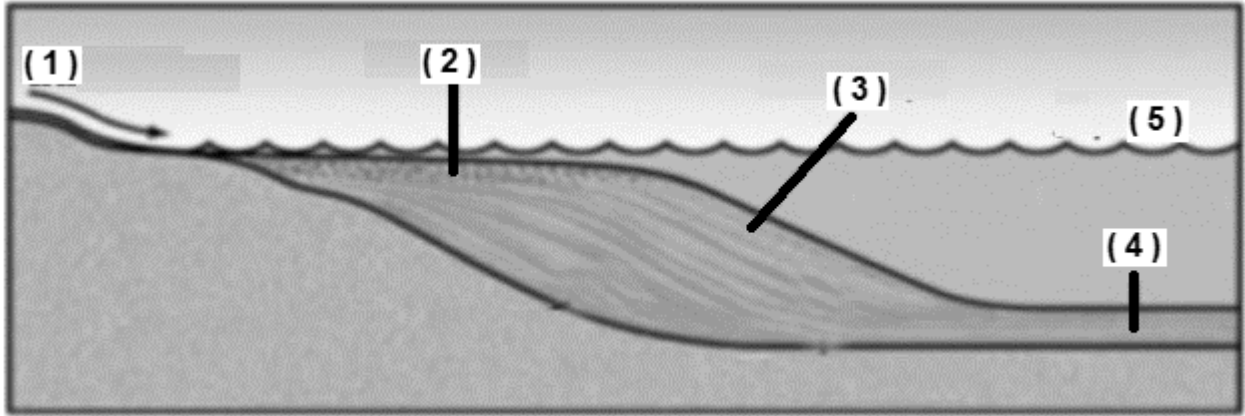
- The terraces ()
- Marble ()
- The hexagonal ()
- The cube ()
- Plastics ()
- Roaming crustaceans. ()

Statements:

- A metamorphic rock formed as a result of cementing of calcite crystals due to the contact between limestone with magma.
- Organisms stay all day below a depth of about ٢٧ meters underwater to escape ultraviolet rays.
- A crystal has three crystal axes equal in length whose angles are right angles to each other.
- Materials are used in manufacturing pipes instead of non-renewable metals.
- A shape formed as a result of differential erosion by wind.

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B) The diagram below shows Delta Cone in the river. Put the numbers given in the diagram in front of the suitable label.



- a) Sea Level. ()
- b) Clay. ()
- c) Delta Plain. ()
- d) Gravel and sand. ()
- e) Layers of Delta. ()

{ انتهت الأسئلة }