

**Answer the following questions:**

**1. Choose one question (A) or (B) then:**

**Choose the correct answer:**

a- From physical factors in ecosystem is.....

[ acidic compounds – basic compounds – soil salt – wind ]

b- Environment in which man shares with other people is the .....  
environment.

[Natural – Social – Technological – artificial ]

**2. Choose one question (A) or (B) then:**

**Underline the odd word:**

a- breccia – sandstone – gneiss – shale

b- Batholith – Dykes – Sills – lava

**3. Choose one question (A) or (B) then:**

**Mention one example for**

a- Mineral has no cleavage.

.....

b- Mineral has specific weight of 7.5 and a metallic luster.

.....

**4. Choose the correct answer:**

Branch of science, that studies of the external and internal Processes and the effect of each of them on Earth's rocks.

[ Mineralogy – Physical Geology – Paleontology –Petroleum Geology]

**5. Replace the following statement with suitable scientific term:**

A feature reflects the extent of ease or possibility of malleable and ductile a mineral to form a thinner sheet or wires.

.....

**6. Correct the underlined words:**

The formation of Residual Soil process is the work of degradation and sedimentation effect of ground water .

.....

**7. Choose from column (B) what suits that in column (A) :**

(A)	(B)
1- From the best oil reservoir rocks (.....)	a- Hematite
2- From sedimentary iron ores (.....)	b- Granite
	c- Sandstone
	d- Gypsum

**8. Correct the underlined words:**

a. In sunset period the activity of the night animals is reduced gradually then the animals go to their homes.  
.....

b. Consumers are microscopic organisms that taken from the dead bodies of plants and animals Their food.  
.....

**9. Complete the following:**

a. Grazing will be ..... when the grass growth rate is more than animals consumption rate to this grass.

b. The negative effects of..... vagrancy (homeless) of the animals that live in the forest.

**10. Choose one question (A) or (B) then:****Replace the following statement with suitable scientific term:**

a- The imaginary line of intersection of the axial plane of fold with any surface of all different layers.  
.....

b- Era known as reptile Era  
.....

**11. Choose the correct answer:**

The mineral that characterized by pearly luster is .....

[quartz – calcite – feldspar – diamond]

**12. Correct the underlined words:**

The equivalent plutonic rock of rhyolite is *gabbro*.

.....

**13. Choose the correct answer:**

The visible part of the solar energy is.....

[heat – Light – wind – soil salts]

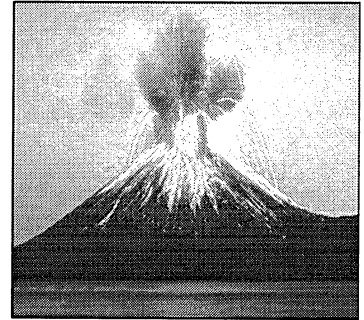
**14. Complete the following:**

Talc is scratched by all minerals but it cannot scratch any mineral because it.....

**15. Study the opposite figure, then answer:**

Choose from between brackets the suitable name for this figure

(volcano – lopolith – Laccolith )

**16. Choose one question (A) or (B) then:**

**A. Put ( √ ) in front of the correct statement and ( X ) in front of the wrong one:**

1- Coal mining is more expensive than oil mining. ( )

2- Minerals is from the renewable resources. ( )

**B. Correct the underlined words:**

a- Sheep grass lands in the north coast is deteriorated due to

spreading of urbanization.

.....

b- Transforming the organic matters in the garbage into chemical fertilizers.

.....

**17. Underline the odd word:**

a- Silurian – Cretaceous – Cambrian – Permian

b- Miocene – Paleocene – Oligocene – Devonian

**18. Choose from column (B) what suits that in column (A) :**

(A)

(B)

1- The porosity ( .....) a. When the water pass on rocky layers.

2- River Terraces ( .....) b. is the percentage of pores between the rocks and grains.

c. deposits of calcareous materials hanging from the ceiling of the cave.

d. are formed due to change of water level at the time of flood.

**19. Choose one question (A) or (B) then:****A. Arrange the following fossils from the oldest to the recent one:**

Dinosaurs – amphibians – trilobites – grasses animals  
 .....

**B. Arrange the following Eras from the oldest to the recent one:**

Cenozoic – Hadean – Mesozoic – Paleozoic  
 .....

**20. Choose one question (A) or (B) then:****Complete the following:**

a- Coastal meanders, gulfs and coastal caves are formed due to degradation effect of .....

b- The soil that disintegrated in a place then transferred to its current place and it's differ from the above rock in chemical and mineralogical composition is ..... soil.

**21. Choose one question (A) or (B) then:****Replace the following statement with suitable scientific term:**

a- The unit of structure of the biosphere.  
 .....

b- The green plants that convert the solar energy into chemical energy stored in the food.  
 .....

**22. Choose the correct answer:**

The characterized crystal system for halite mineral is .....

[Cubic – Monoclinic – Trigonal – Hexagonal ]

**23. Replace the following statement with suitable scientific term:**

Fertilizers led to the deterioration of the soil and made it more liable to erosion.

.....

**24. Choose the correct answer:**

To generate energy from nuclear fuel, ..... is used.

[coal – oil – biogas – uranium]

**25. Underline the odd word:**

a- crustaceans – beetles – fishes – dolphins

b- Red sea – tropical forests – tundra – coniferous forests

**26. Study the opposite figure, then answer:**

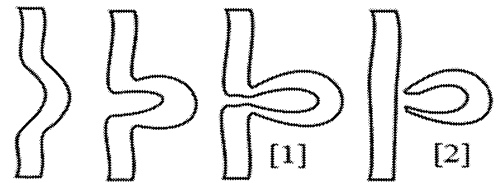
a- This figure represents stages of.....

b- number (1) represents

.....

number (2) represents

.....



27. **Put ( √ ) in front of the correct statement and ( X ) in front of the wrong one:**

a- Conglomerate rocks are volcanic igneous rocks. ( )

b- Coal is formed when plants are buried in the bottom of the earth away from oxygen for long time. ( )

28. **Choose one question (A) or (B) then:**

**Choose the correct answer:**

a- When exposing sandstones to very high temperature inside the Earth it metamorphosed to .....

[marble – quartzite – schist – gneiss ]

b- Phosphate are ..... rocks.

[Biochemical Sedimentary – plutonic igneous – massive metamorphic – Detritus Sedimentary ]

29. **Complete the following:**

Establishment of a number of new cities in uncultivated desert land is solving the problem of .....

30. **Choose the correct answer:**

Region that is formed from partially molten fluid rocks that allow for the spread of convection currents is the .....

[ crust – mantle – asthenosphere – Core ]

( بقية الأسئلة في الصفحة التاسعة )



**31. Replace the following statement with suitable scientific term:**

It is the first type of rocks which formed on the earth crust and it is called “the mother of rocks”.

.....

**32. Choose the correct answer:**

Anhydrate mineral changed to gypsum mineral is.....

(oxidation – carbonation – hydration – releasing of load )

**33. Replace the following statement with suitable scientific term:**

Annual plants appears only in the winter after the rainfalls and disappears in summer.

.....

**34. Choose one question (A) or (B) then:****A. Correct the underlined words:**

a- Crescent dunes consists of consolidated limestone granules

.....

b- Mica is the last mineral to crystallize from the magma

.....

( بقية الأسئلة في الصفحة العاشرة )

**B. Put ( √ ) in front of the correct statement and ( X ) in front of the wrong one:**

- a- The speed of water decreases on both sides of the river and at the bottom as a result of friction. ( )
- b- Delta deposits that containing mineral deposits of economic value's called Black Sand. ( )

**35. Mention an example for each of the following:**

- a- Phytoplankton in the marine food chains.  
.....
- b- Desert animals which extract water from the seeds and the succulent plants on which they feed.  
.....

**36. Choose from column (B) what suits that in column (A) :**

- | (A)                                      | (B)  |
|--|--|
| 1- The crystal symmetrical plane (.....) | a- Mineral has a green colour  |
| 2- Malachite (.....)                     | b- is the line passing by crystal center and the crystal rotates around it |
|  | c- which divides the crystal into two identical halves                     |
|  | d- Mineral has a violet colour   |

**37. Choose one question (A) or (B) then:****Choose the correct answer:**

a- The localized movement of the plant without movement of the body due to growth in a direction determines the direction of the external stimulus on the plant is .....

[tropism – photoperiodism – migration – photosynthesis]

b- Vertebrate animals revert to hibernation when the temperature of the medium where it lives is decreased.....

[mollusks – amphibians – insects – protozoa]

**38. Choose one question (A) or (B) then:****Mention the name of mineral:**

a- Mineral disperses falling light on it due to its refraction into red and violet then gives strong luster.

.....

b- Mineral is used in cement industry.

.....

**39. Choose one question (A) or (B) then:****Mention an example:**

a- The most famous rock on Earth that is used for roads pavement.

.....

b- Volcano in Italy erupt at discontinuous periods.

.....

**40. Complete the following:**

A human suffocates at high altitudes because the ratio of  
 ..... decreases at higher altitude above sea level.

**41. Replace the following statement with suitable scientific term:**

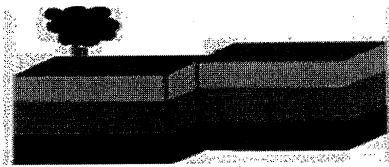
The water in the pores of the rocks under the surface of the Earth.  
 .....

**42. Correct the underlined words:**

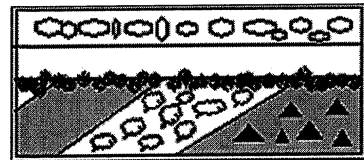
One of the means of rationalizing water consumption in Egypt is  
 irrigation by immersion.  
 .....

**43. Choose from the following words the suitable name for each figure:**

“Angular unconformity – Anticlines Folds – Strike-slip fault –  
 Normal fault”



(1).....



(2) .....

**44. Choose the correct answer:**

a- Frequent freezing and melting of water in rock cracks is one of the most important .....factors.

[ hydration – carbonation – chemical weathering – mechanical weathering]

b- The polished-faced pebbles are produced in the desert as a result of the .....action.

[deposition of wind – deposition of torrents – Degradation of wind – Degradation of seas ]

**45. Choose from column (B) what suits that in column (A) :**

(A)

(B)

1- Light intensity

(.....)

a- Earth's rotation directs it

2- The water pressure

(.....)

b- The degree of concentration of dissolved salts in sea water

c- increases by one atmospheric pressure for every ten meters under the water

d- depends on the amount of light that penetrates the sea water,

((انتهت الأسئلة))