



Name _____

Class: _____

Worksheet (Concept 4.2)

Q1 Choose the correct answer:

1. A canyon may be formed due to the effect of

- a) erosion and deposition b) weathering and erosion
c) weathering and deposition d) deposition only

2. A canyon can be formed by the effect of

- a) water only b) wind only c) water and wind d) water and sunlight

3. Wadi Nakhr in Oman is formed because water movesaway by the effect of erosion.

- a) sunlight b) wind c) sediments d) mountains

4. Among canyons which have V-shape are

- a) Wadi Nakhr and the Small Canyon b) the Coloured Canyon and Wadi Rum
c) the small Canyon and the Coloured Canyon d) Wadi Nakhr and Wadi Rum

5. The rainwater gathers in small streams due to the downhill.

- a) pushing force of gravity b) pulling force of gravity
c) pushing force of friction d) pulling force of friction

6. can erode valleys and form canyons across them.

- a) Rivers b) Mountains c) Dunes d) Rocks

7. Rivers that flow fast can cause more than the rivers with slow flow.

- a) chemical weathering b) erosion c) deposition d) formation

8. The main difference between valleys and canyons is that valleys have

- a) many rock layers b) steep slope walls
c) gently sloped sides d) vertical walls

9. Walls of canyons are characterized by all the following, except that they

- a) are very high
- b) are gently sloped
- c) have great depth
- d) consist of many rock layers

10. Deltas are formed when the speed of river water

- a) increases
- b) decreases
- c) doesn't change
- d) become faster

11. The Nile River Delta is characterized by the presence of that allows the planting of different types of crops.

- a) mountains
- b) sand dunes
- c) polluted soil
- d) fertile soil

12. The process of carving the rock into different shapes by wind blowing is

- a) deposition
- b) erosion
- c) transportation
- d) weathering

13. Sand dunes are formed by the effect of both processes.

- a) mechanical weathering and deposition.
- b) erosion and weathering
- c) erosion and deposition
- d) chemical weathering and erosion

14. Formation of sand dunes depends on of the wind blowing.

- a) force only
- b) direction only
- c) both force and direction
- d) neither force nor direction

15. The large skeletons of whales that are present in Wadi Al-Hitan are considered as an example of

- a) fossils
- b) rocks
- c) sediments
- d) formations

16. Geologists are scientists who study

- a) plants
- b) animals
- c) human body
- d) rocks

Q2 Put (√) or (X):

- 1. A canyon may be formed due to the effect of wind weathering and erosion. ()
- 2. Wadi Rum in Jordan is an example of dune. ()

3. A canyon is formed due to the effect of water stream on a flat land. ()
4. The Grand Canyon in USA is large and steep. ()
5. Rivers cause less erosion of rocks than small streams. ()
6. The Grand Canyon took short period of time to be formed. ()
7. Deltas are formed as a result of silt deposition. ()
8. The Nile River Delta has a rectangular shape. ()
9. Sand dunes are formed by erosion only. ()
10. Sand dunes are usually seen separately, and may cover a small area. ()
11. Wadi Al-Hitan is formed from sedimentary rocks such as sandstone and limestone. ()
12. At Wadi Al-Hitan, the oldest rocks are formed at the top of the layers. ()

Q3 Write the scientific term of each of the following:

1. It is a landform that is formed by the effects of weathering and erosion due to wind, water, or other factors. (.....)
2. It is a special type of valleys which its sides are steep. (.....)
3. It is a very large and steep canyon which is found in the United States of America. (.....)
4. It is the process by which the wind carves the rocks into different shapes. (.....)

Q4 Complete the following sentences using the words below:

(Deltas- Canyons- Sand dunes- Rivers- Wind)

1. are deep valleys with steep sides.
2. are fan-shaped landforms where rivers enter lakes or oceans.
3. are hills that are made of sand.
4. are often what cause the formation of both valleys and canyons.
5. and sand work together as forces of erosion in the desert.

Q5 Give reasons for:

1. Trees and other plants are growing on both sides of small canyons.

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2. A sand dune may be formed in front of a large rock in the desert.

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3. Geologists study the layers of sediment in rock formations.

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