

Day: MTWTF S

Date: ___/___/___

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Section # A
Semester # 2nd
Subject # Geology.

FIGURE : I

(a) Rock is broken down by first rain at sun A. name process,

Answer Weathering

(b) How is sedimenting grains in a river ...

Answer Grain change due Erosion and grain size reduces and angularity decreases. From B to C.

(c) How do loose sediments at C

Answer By the process Lithification

(d) Rock can deeply buried

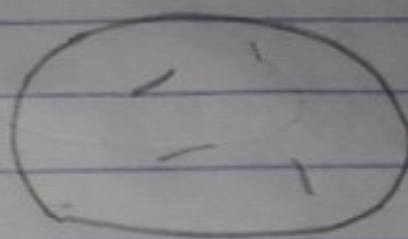
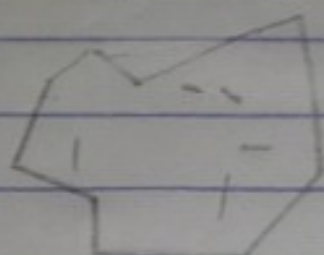
Answer Deeply buried rock undergoes two changes

- 1) structural
- 2) Mineralogical

FIGURE 2

Below shows size and shape of typical sediments.

(i) In each box write down directly



∞

4

2

1

(ii) In your own words Explain.

Ans

The sediment particles transport due to flow of water. The particle slide or bounces along the bottom some are very small having (0.00195 mm) in diameter so these molecule stay effect and when the water flow is fast so it create upward current and make these particle move faster.

FIGURE D

(i) In the table statements refer either...?

=> Weathering

=> erosion

=> erosion

=> Weathering

(ii) A statue was made from lime...

Answer CO_2 dissolved in rain water causes limestone to be dissolved quickly from sandstone. Also H_2SO_4 and H_2CO_3 is another reason.

(iii) Why igneous contain never fossils?

Answer Igneous rocks formed at high temperature and pressure which destroy the fossils if present in surrounding rocks or in parental materials.

(iv) Granite take much longer...

Answer Granite has large size crystals than Basalt because granite takes longer time to cool due to low temperature difference at greater depth.

(v) Describe one process the might

Answer Scree sediments at the bottom of cliff are large, angular and poorly sorted because of the process of Glacial transport.

FIGURE 3

(I) What type of volcano ...?

Answer Composite volcano (stratovolcano).

(II)(A) The eruption shown in Figure ...

Answer Gas trapped in magma cause the volcano to build pressure and it release with violence when reaches the vent

(II)(B) Explain How gases trapped ...

Answer The gases are :-
=> H_2O and CO_2
=> Minor amount of sulfur, chlorine and fluorine gases

(i) Earthquake is sign of volcano

(ii)

1:- Threat to human life

2:- Ash particle penetrate machinery causing damage, diseases etc