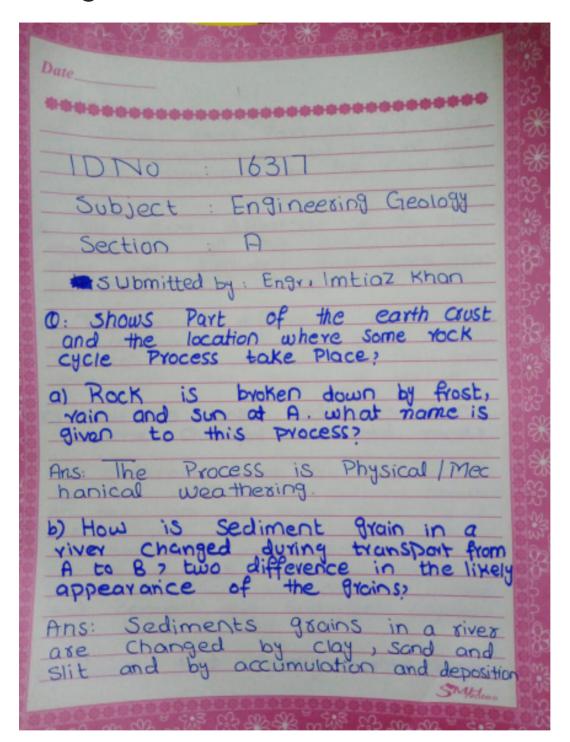
## **Image**



Date \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* of small other Particles and Subsa vent cementation of mineral or organic particles on the floor of - diver. \* The first difference in the likely appearance of the grains is "size" they are different from each other on the basis of size \* The second difference in the likely a appearance of the grain is its "Lexture" they are different from each other on the basis of texture. c) How do loose sediments at C become changed into solid rock? Ans: Sediments are squeezed together by the weight of overlying sediment on the top of them fluid fill in the spaces blw the loose particle sediment and crystallized to Create a rock by comentation calc ite and Silica are common mineral that cement the sediment together and form a solid rock. D) Rock that deeply buried

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\*\*\*\*\*\*\*\*\*\*\*\*

Phism Describe two Change that happen in the rock during meta morphism and Explain point D?

Ans: Rock that deeply buried in the earth crust may undergo metamor Phism. The transformation of preexisting rock into texturally or minerally distinct new rock is a result of high temperature, high pressure, or both hot without the rock melting in the process.

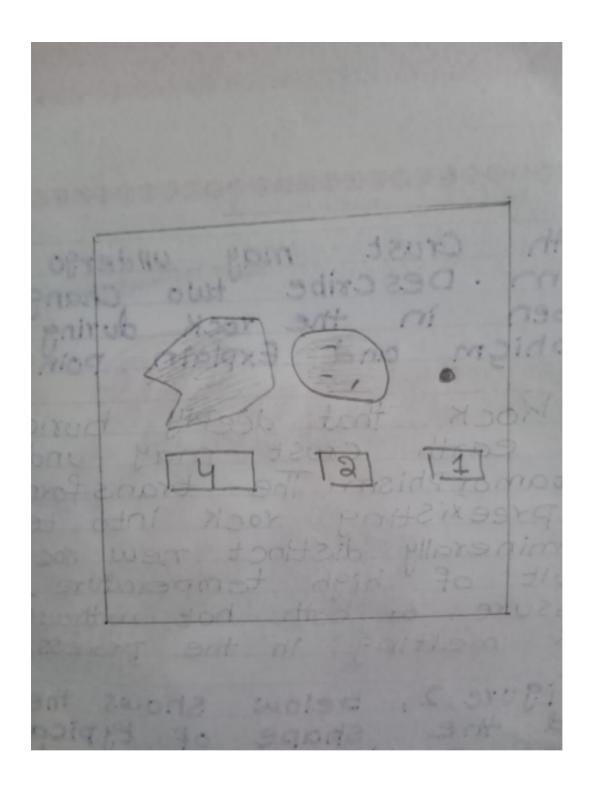
B figure 2, below shows the size and the shape of typical sed iment particle from the deposit produced;

1) clay mud.

- 2) Younded pebble and sand.
  3) Sloping Sand layer.
- 4) Angular boulders.

1) In each box, write down the most likely number from the deposit pro duced column in the table above;

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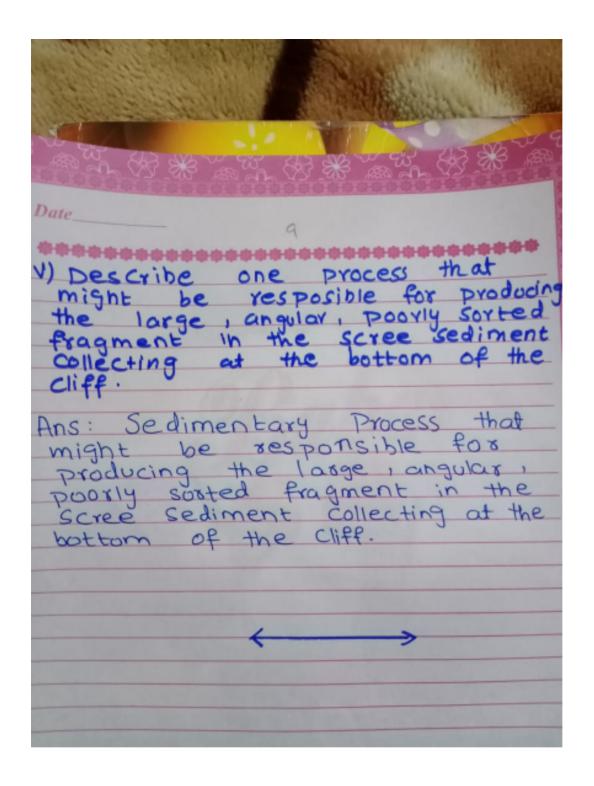


SMH

Date \*\*\*\*\*\*\*\*\*\*\* \*iSK may be a a) suggest one sign that might Indicate if a valcano is about to evrupti Ans: An increase in the frequency and intensity of felt earthquakes. Extra: \* small changes in heat flow. subtle swelling of the ground. 2) Suggest two danger that might result from ash fall near volcanos Ans: Health concern after a volcano exuption include infection disease. respiratatory illness, burns, injuries from falls and vechile accidents related to the slippery, hazy condi tion caused by ash. : Figure 4: In the table below are statem ent that refer to either weathering O In SMilde

| Date  |             |
|---|-------------|
| 1) Breakdown of rock without beig moved   | weathering. |
| a) wearing away of rock during transport of rock  | Erosian.    |
| 3) A Process caused by wind, running water and  | Eyosion.    |
| moving ice  4) An effect of Plant  roots growing in rock  joint and fracture.   | weathering. |
| II) A Statue was made from lime stone, Rain makes limestone weather more quickly than sandstone what substance in the rainwater causes this?                                      |             |
| Ans: Carbon dioxide dissolves in sain forming very dilute carbonic acid (this is the reaction that turn the indicator yellow when you below into water. The dilute carbonic south |             |

Date \*\*\*\*\*\*\*\*\*\*\* then attack limestone lii) why igneous yock never contain fossily? Ans: If the magma cools slowly large Crystal form in the rock they are intrusive igenous rock because they form from magma underground. unlike sedimentary rock, igenous rock do not contain and fossils in the original rock will have melt ed when the magma formed. IV) How and why is the size of the crystal in granite different from the size of the crystal in basalts? Ans: Igneous rock contain randomly arranged interlocking crystals the size of the crystal depond on how quickly the molten megma soli fied: maging that cools slowly form an igneous rock with large Crystal lava that cool quickly will form igénous rock with small crystal



Last modified: 7:54 pm