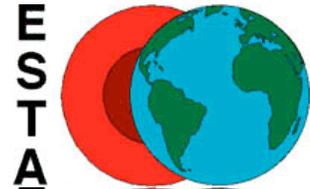




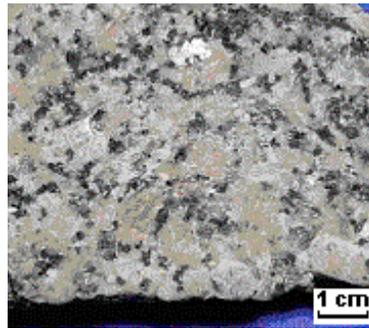
**Level 6 SAT Question**



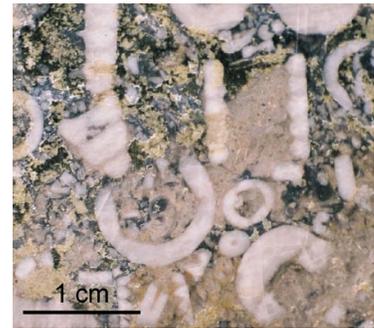
**Qu. 6.3** Below are close-up photographs of three rock specimens (**X**, **Y** and **Z**), representing the three main rock groups in the rock cycle.



**X**



**Y**



**Z**

(a) Complete the boxes (marked with a dot) in the table below:  
Some parts have been filled in already to help you.

<b>Rock group</b> (igneous, sedimentary, or metamorphic)	<b>Photograph</b> ( <b>X</b> , <b>Y</b> or <b>Z</b> )	<b>Rock Texture</b> (crystalline or fragmental)
•	<b>Y</b>	<b>Crystalline</b> Randomly arranged crystals
<b>Metamorphic</b>	•	• Aligned (foliated) crystals
•	•	• Contains fossils

(3 marks)

(b) (i) Use the scale to find the length of the nearest large crystal in **rock Y**:

..... mm (1 mark)

(ii) State whether this grain size indicates fast, medium or slow cooling

..... (1 mark)

(c) Name **rock Y** by ticking only **one** box below.

granite

gneiss

limestone

(1 mark)

**Maximum 6 marks**