



**GCSE**

**C480U20-1B**



O20-C480U20-1B



**MONDAY, 9 NOVEMBER 2020 – MORNING**

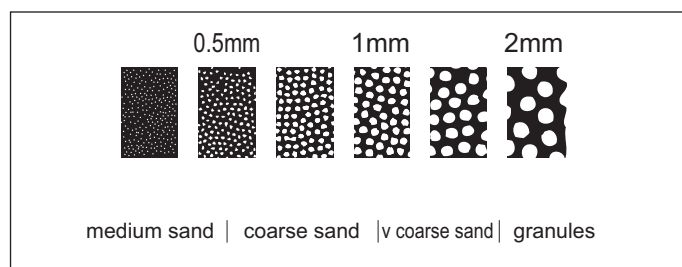
**GEOLOGY – Component 2  
DATA SHEET**

## Physical properties of minerals in hand specimen

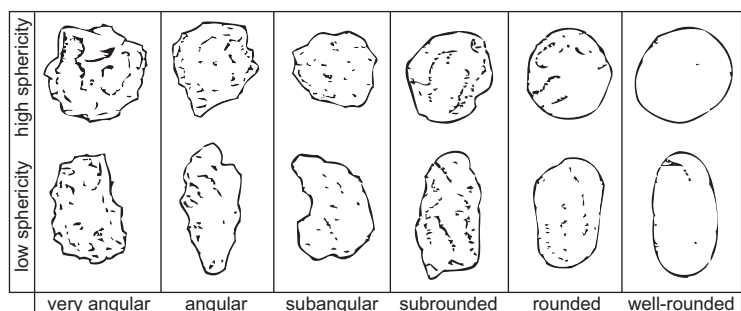
Name	Hardness (Mohs' Scale)	Typical Colour	Streak	Lustre	Cleavage (number of directions)
Quartz	7	colourless or white	scratches streak plate	glassy	none
Feldspar	6	white	scratches streak plate	pearly to glassy	2 good
Mica	2½	silvery or brown	white	pearly to glassy	1 good
Augite	5½	black	scratches streak plate	glassy	2 good
Olivine	6½	green	scratches streak plate	glassy	none
Halite	2½	white	white	glassy	3 good
Calcite	3	white	white	glassy	3 good
Haematite	5½	black or red-brown	red-brown	metallic or dull	none
Galena	2½	grey	grey	metallic	3 good
Garnet	7	red	scratches streak plate	glassy	none

Mohs' scale of hardness		
Mineral/hardness		Common equivalent
Diamond	10	
Corundum	9	
Topaz	8	
Quartz	7	
Orthoclase feldspar	6	← steel pin
Apatite	5	
Fluorite	4	
Calcite	3	← copper coin
Gypsum	2	← finger nail
Talc	1	

## Grain size scale



## Grain shape and sphericity scale



### Geological ranges of vertebrates

