



GCSE

C480UA0-1A



THURSDAY, 9 MAY 2024 – AFTERNOON

**GEOLOGY – Component 1
DATA SHEET**

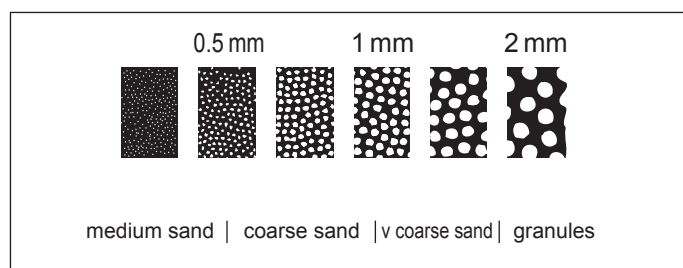
Physical properties of minerals in hand specimen

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

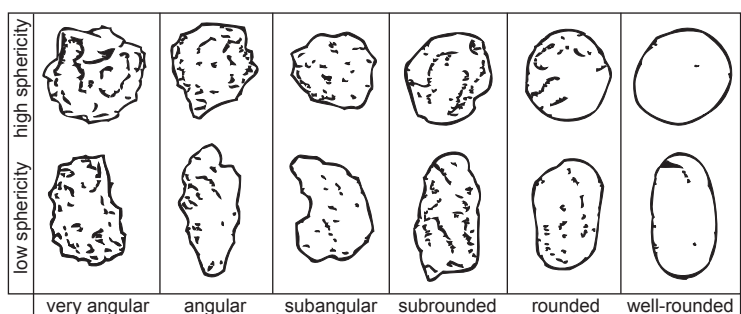
Mohs scale of hardness

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

Grain size scale



Grain shape and sphericity scale



Geological ranges of vertebrates

