

MEASURING SPHERICITY

Purpose

To measure the sphericity of a variety of pebble shapes.

Activity

Use the calipers to measure the longest, intermediate and shortest diameter of at least ten pebbles with a variety of shapes. Your data should be recorded in columns like this:

letter	long L	intermediate I	short S	<u>intermediate</u>	<u>short</u>	shape
				long	intermediate	

Now plot the data on the graph below and fill in the shape column.

Zingg's shape classification

$I/L=2/3$	disc	spheroid
	blade	roller

