

Classification of Clastic Sediments

↳ Broken Pieces of Rock

Classification of Clastic Sediments		
Particle Size	Sediment	Rock
> 256 mm	Gravel } Boulder Cobble Pebble	Conglomerate
256–64 mm		
64–2 mm		
2–0.062 mm	Sand	Sandstone
0.062–0.0039 mm	Silt	Siltstone
<0.0039 mm	Clay	Mudstone or shale

Classification of Clastic Sediments

1. How are clastic sediments classified?

2. What type of clastic sediment has the largest particle size?

3. What type of clastic sediment has the smallest particle size?

4. What size particles are classified as sand?

5. What rock type is made up of cobbles?

6. How would you classify a clastic sediment particle that is 0.0020 mm in size?

7. You find a rock that consists mostly of clastic sediments of about 0.05 mm in size.
What type of rock is it likely to be?

8. Why do clastic sediment particles usually have worn surfaces and rounded corners?

9. What process produces clastic sediments?
