

### **Classification of Sediments**

Table 6-1 Classification of Clastic Sediments				
Particle Size	Sediment		Rock	
> 256 mm 256–64 mm 64–2 mm	Gravel	Boulder Cobble Pebble	Conglomerate	
2–0.062 mm	Sand		Sandstone	
0.062–0.0039 mm	Silt		Siltstone	
<0.0039 mm	Clay		Mudstone or shale	

#### TEACHING TRANSPARENCY

Use with Chapter 6 Section 6.1

# **Classification of Sediments**

1.	How are common sediments classified?
2.	What type of common sediment has the largest particle size?
3.	What type of commonsediment has the smallest particle size?
1.	What size particles are classified as sand?
<b>5.</b>	What rock type is made up of cobbles?
<b>5.</b>	How would you classify a common sediment particle that is 0.0020 mm in size?
<b>'</b> -	You find a rock that consists mostly of commonsediments of about 0.05 mm in size.  What type of rock is it likely to be?
	Why do mest sediment particles usually have worn surfaces and rounded corners?
-	What process produces common sediments?



#### Use with Chapter 6 Section 6.2

## **Classification of Sedimentary Rocks**

Table 6-2 Classification of Sedimentary Rocks					
Rock Type	Rock Name	<b>Method of Formation</b>			
Clastic Coarse grained Medium grained Fine grained	Conglomerate or breccia Sandstone Shale	Lithification of clastic sediments			
Organic Calcium carbonate– shells plant matter	Limestone Coal	Accumulation and lithification of remains of living things			
Chemical Calicite Halite Gypsum	<b>Evaporite</b>	Precipitation of dissolved minerals from water			

#### TEACHING TRANSPARENCY

Use with Chapter 6 Section 6.2

## Classification of Sedimentary Rocks

	Name the three types of sedimentary rocks.
2.	What is the most common sedimentary rock, and what is its method of formation?
·	How are those sedimentary rocks classified? (rocks from #2)
	Compare and contrast conglomerate with breccia.
•	How do chemical sedimentary rocks form?
	Name three common evaporite minerals.
]	How do organic sedimentary rocks form?
	How do organic sedimentary rocks form?  Name two organic sedimentary rocks.