

Figure 14 Although concrete strongly resembles conglomerate, concrete is not a rock because it does not occur in nature.



Sedimentary Petrology Research the work done by sedimentary petrologists. Include examples of careers in academia and in industry.

Materials Found in Sedimentary Rocks The gravel-size sediments in conglomerate and breccia can consist of any type of rock or mineral. Often, they are composed of chunks of the minerals quartz and feldspar. They also can be pieces of rod such as gneiss, granite, or limestone. The cement that holds sediments together usually is made of quartz or calcite.

Have you ever looked at the concrete in sidewalks, drivewa and stepping stones? The concrete in Figure 14 is made of gra and sand grains that have been cemented together. Althought structure is similar to that of naturally occurring conglomen it cannot be considered a rock.

Sandstone is formed from smaller particles than conglon ates and breccias. Its sand-sized sediments can be just about mineral, but they are usually grains of minerals such as que and feldspar that are resistant to weathering. Siltstone is sim to sandstone except it is made of smaller, silt-sized partic Shale is a detrital sedimentary rock that is made mainly of sized particles. Clay-sized sediments are compacted togethe pressure from overlying layers.

Chemical Sedimentary Rocks

Chemical sedimentary rocks form when dissolved min come out of solution. You can show that salt is deposited is shells bottom of a glass or pan when saltwater solution evaporatedie, the a similar way, minerals collect when seas or lakes evaporate are co deposits of minerals that come out of solution form sedinis made and rocks. For example, the sediment making up New Mecalled White Sands desert consists of pieces of a chemical sedime rock called rock gypsum. Chemical sedimentary rock Chall different. They are not made from pieces of preexisting not mid

Reading Check How do chemical sedimentary rocks form nice-

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