







Sand

Sand is a naturally occurring granular material made up of fine rock and mineral particles.

Sand can be found in desert regions.

It can also form beaches where the land meets the sea.

Some people use wet sand to make beautiful sculptures.

Sand is sometimes used in agriculture because sandy soils are ideal for crops such as peaches, watermelons and peanuts.

Did You Know?

Concrete is made by mixing sand together with cement, gravel and water..











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Rock Types

The Rock Cycle

Rocks do not stay the same forever. They do not stay in one place forever. They move about. The rock cycle is the entire journey a rock makes as it changes. This takes millions of years.



Igneous Igneous rocks are formed when magma from volcanoes cools and solidifies. It may do this above or below the Earth's surface. Igneous rocks were once sedimentary or metamorphic

rocks. Examples: granite, pumice and basalt.

Metamorphic

Metamorphic rocks form when existing rocks are exposed to heat and pressure deep within the Earth's surface. These rocks were once igneous or sedimentary rocks.



Examples: marble, slate and quartzite.

Sedimentary

Eroded rocks (sediments) are transported by streams and rivers to the ocean. The sediments compact together in layers, which creates sedimentary rock. In this way, igneous rock can become sedimentary rock. Examples: chalk, limestone and sandstone.



Coal Coal Coal is a black or brown-black sedimentary rock. It usually occurs in layers or veins called coal bed or coal seams. Coal is composed primarily of carbon. Coal is extracted from the ground by coal mining. Did you know? Throughout history, coal has been used as an energy source. It has been burned for electricity and heat. Coal is the largest source of energy worldwide.



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Pumic	8
Pumice	
Pumice is called pumicite in its	
powered or dust form.	
It is a volcanic rock that consists of	Aller
rough textured volcanic glass.	
Pumice is create when super-heated,	
pressurised rock is ejected from a	
volcano.	
The foam-like look of pumice happens	
when the rock rapidly cools and	
depressurises causing bubbles.	
 Pumice is widely used to make	
 lightweight concrete.	
	Did you know? Eruptions under water can be a hazard for cargo ships as the rock is rapidly cooled and a large volume of pumice is created.



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	Limesto	ne
	Limestone	
	Limestone is a sedimentary rock.	
	It has many different fragments of	DECAMPAN.
	marine habitat e.g. coral, molluscs	
	and forams.	
	About 10% of sedimentary rocks	10 Ala
	are limestone.	The Ha
	Organisms that bury into the rock	
	causing decay often erode coastal	
	limestone.	2200all
	Limestone is very common in	
	architecture, especially in Europe	
	and North America.	MANNA!
	Limestone is crushed and the	
	main source of rock used when	
	creating roads. It is used as a	
	solid base when building a road.	An Aller
		Did you know?
		Some of limestone's uses
		are; a building material,
		component of concrete a
		can be found in toothpas
		and paint.



Slate

Slate

Slate is a fine-grained metamorphic rock. This sedimentary rock is made up of clay and or volcanic ash through metamorphism. The word 'slate' is used for certain types of object made form slate rock. Like a writing slate or the roof tile made of slate. Slate is well suited to become a roofing material as it has a low water absorption index making slate waterproof. Due to slate having thermal stability, slate has been used in laboratories as bench tops.







Did you know? Because slate is a smooth piece of rock the phrases 'clean slate and 'blank slate' come from this characteristic.







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