



Cootie Catcher Rock Game: Setup

Step One: Cut and fold the origami cootie catcher.

Step Two: Build and decorate the cootie catcher

Outside Layer: Put each rock type on one of the squares

Rock type	Description
Igneous	Rocks made from cooling magma
Metamorphic	Rocks formed by heat & pressure
Sedimentary	Rocks formed by layers
Molten	Rock so hot it is melted

Inside Layer:

Choose eight from the list below and write the name of each rock on one of the inside triangles. On the inner flap, write what type of rock it is a short description. Include pictures if desired with rock names.

Rock	Type	Description
Basalt	Igneous	Dark, fine grained; most commonly formed from lava flow; most abundant rock
Chalk	Sedimentary	White or light gray, extremely porous; Type of limestone made up of
Gneiss	Metamorphic	Has bands of various composition with other bands of minerals that interlock
Gabbro	Igneous	Coarse grained, dark in color either black or dark green
Granite	Igneous	Light colored, visible grain, made up mostly of quartz and feldspar with other minerals giving it is color
Limestone	Sedimentary	Gray in color, mostly calcium carbonate; most commonly formed in warm shallow marine waters
Quartzite	Metamorphic	Usually white to gray in color, very hard; metamorphosed from sandstone
Rhyolite	Igneous	High in silica, it is usually pink or gray, very fine grained; formed from granitic magma
Sandstone	Sedimentary	Multi colored, made up of sand sized grains of minerals, rock, and/or organic material
Schist	Metamorphic	Very textured, many different minerals can be included; can see the grain
Shale	Sedimentary	Fine grained, formed by compacted mud; made up of many thin layers and easily breaks apart
Slate	Metamorphic	Fine grained, altered shale, usually gray in color

Each student should have the following resources available during catcher creation and/or game play:

<https://geology.com/rocks/>

https://secure.dccae.gov.ie/GSI_DOWNLOAD/Bedrock/Other/GSI_BedrockGeologyOfIreland_A4.pdf

Map of Ireland with Counties

Timer (one for the group)



Cootie Catcher Rock Game: Rules

Choose which student uses their catcher first (the Catcher) and which student will start choosing first (the Chooser). Another person is the timer.

The chooser selects one of the four rock types and must describe what the rock type is in order to continue. If successful, the Catcher opens the cootie catcher back and forth along with the number of letters in the word. The Chooser picks one of the four rocks in the middles of the catcher and must state what type of rock it is. If unsuccessful play goes to the next student keeping the same Catcher. If successful, the Catcher opens back and forth along with the number of letters of the rock chosen. The Chooser again picks a rock. This time the Chooser must state the type of rock, describe it, and state where in Ireland it can be found in less than 30 seconds. They can use any resource material they like. If the Chooser answers all three before the timer goes off, they get one point. If unsuccessful no points and play continues to the next Chooser.

Once all students have had a chance to answer the Catcher's questions, a new Catcher is chosen. Play continues until all students have had a chance to be a Catcher and participated in all Catcher's cootie catchers.

Student with the most points of the end of the round wins.

Resources:

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Map of Ireland with Counties

Internet instructions on how to fold a cootie catcher