Welcome to Super Gnomatic Rock Cycler!

We’ll be learning about rocks, and how they are formed.

(show diagram)

Rocks are made up of minerals.

(hide diagram)

(show diagram)

Depending on the minerals and how it was formed, a rock can have distinct characteristics.

We’ll go on to more details later on how different types of rocks are formed.

(hide diagram)

(spawn gnome)

For now, let’s go ahead and gather some minerals!

(spawn mushroom)

(show overlay guide with move control)

Press the left or right arrow key to move the gnome.

Now that you have some minerals, it’s time to melt them down into magma.

(show magma chamber illust)

Head over to the Magma Chamber to do so.

(hide magma chamber illust)

+Magma Chamber+

(show illust)

On Earth, rocks are continuously pushed upward or downward due to physical activities such as an earthquake.

Rocks pushed deep into the mantle’s hot spots will melt to magma.

(show illust)

Here in the magma chamber, we can simulate the process of melting rocks to magma.

Go ahead and process the minerals by holding the Spacebar (you can also click and hold the minerals).

+Magma Chamber Exit+

Now that we have magma available, it’s time to form some rocks!

If you notice at the very top, we need to form at least three different types of igneous rock.

(show magma cooler illust)

In order to form igneous rocks, head over to the Magma Cooler.

(hide magma cooler illust.)

+Magma Cooler+

There are two ways for igneous rocks to form: intrusive or extrusive.

For now, we will form intrusive igneous rocks.

Intrusive rocks are formed when magma cools off below the Earth’s surface.

Remember to form at least three types of igneous rocks as indicated at the top.

Go ahead and select Intrusive by pressing the Spacebar (you can also click the icon).

# instruction #

Press the Spacebar (or click STOP) to end the cooling process.

Now that you have formed the necessary rocks, it’s time to drop them off.

Head over to the indicated star and submit the rocks!

Excellent work! Now that the rocks have been submitted, we can gather more minerals to form new rocks.

+ Level 2 +

Just like before, we need to form three different types of rocks.

Remember to head over the Magma Chamber to melt the minerals, and then to the Magma Cooler to form rocks.

Remember to melt the minerals in the Magma Chamber, and then form the rocks in the Magma Cooler.

+Magma Cooler+

This time around, we’ll be forming extrusive igneous rocks.

These rocks are formed when magma cools off above the Earth’s surface.

Since these rocks cool off quicker, they don’t form as much crystals as intrusive igneous rocks.

+Sedimentary+

For sedimentary rocks to be formed, we must first have other rocks available to erode.

Go ahead and create some igneous rocks before heading over to the Sedimentary Pit.

+Sedimentary Pit+

(show illust)

Sedimentary rocks form when sediments cement together after a long period of time.

These sediments come from rocks or organics that have been broken down by weathering and erosion.

(hide illust)

Here in the Sedimentary Pit, we can simulate the process of forming sedimentary rocks.