









- 1) You lie deep in the Earth's crust
- 2) You slowly melt from the heat of the Earth's mantle.
- 3) You erupt out of a volcano as liquid rock (lava) and harden in the cool air.

What rock do you change into?

Answer: Change into an igneous rock!

How do you change?

- 1) You lie deep in the Earth's crust
- 2) You slowly melt from the heat of the Earth's mantle.
- 3) As the Earth's plates shift, you get pushed up, towards the surface and cool and harden in the process.

What rock do you change into?

Answer: Change into an igneous rock!

How do you change?

- 1) You lie deep below the surface of the earth, where there is extreme heat and pressure.
- 2) A fault (crack in the Earth's crust) nearby fills with magma, increasing the temperature around you.
- 3) The heat causes your minerals to change.

What rock do you change into?

Answer: Change into a metamorphic rock!

How do you change?

- 1) A glacier slowly flows over you, crushing and dragging you.
- 2) As you get ground into tiny pieces, you become cemented to other rock particles.
- 3) The glacier passes over, and leaves behind clusters of these cemented particles.

What rock do you change into?

Answer: Change into a **sedimentary** rock!









- 1) You slowly crumble as rain, ice and wind erode you.
- 2) Rain washes you down to the bottom of a river.
- 3) You are glued to other deposits under the pressure of the river's water.
- 4) When the river runs dry, the hot sunlight bakes you, making you hard.

What rock do you change into?

Answer: Change into a sedimentary rock!

How do you change?

- 1) The roots of trees grow into your cracks, breaking you out of your rock bed. You to fall into a nearby stream.
- 2) The stream breaks you down into smaller pieces which get washed downstream.
- 3) The stream dries up and your pieces become cemented to other bits of rock around you.

What rock do you change into?

Answer: Change into a **sedimentary** rock!

How do you change?

- 1) You get buried under sediment on the ocean floor.
- 2) You get forced underneath (subduction) the North American continent, towards the center of the Earth.
- 3) You slowly melt from the heat of the Earth's mantle.
- 4) You get forced up and harden in the cold water.

What rock do you change into?

Answer: Change into an igneous rock!

How do you change?

- 1) You are part of a tectonic plate colliding with another plate.
- 2) Your plate gets forced under the other, causing incredible friction.
- 3) The friction produces heat and pressure, transforming your minerals.

What rock do you change into?

Answer: Change into a **metamorphic** rock!









- 1) You lie near the bottom of the Earth's crust, 10 miles below the surface!
- 2) With the intense pressure of the rocks above you and the heat from below you are transformed into another type of rock.

What rock do you change into?

Answer: Change into a **metamorphic** rock!

How do you change?

- 1) You lie deep in the Earth's crust
- 2) You slowly melt from the heat of the Earth's mantle.
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What rock do you change into?

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- 3) You are glued to other deposits under the pressure of the river's water.
- 4) When the river runs dry, the hot sunlight bakes you, making you hard.

What rock do you change into?

Answer: Change into a **sedimentary** rock!









- 1) An earthquake jolts you from your resting place and you tumble downhill, breaking into smaller pieces.
- 2) A flood washes these pieces away to the ocean.
- 3) The weight of the ocean's water cements you to other bits of rock on the ocean's floor.

What rock do you change into?

Answer: Change into a **sedimentary** rock!

How do you change?

- 1) A glacier slowly flows over you, crushing and dragging you.
- 2) As you get ground into tiny pieces, you become cemented to other rock particles.
- 3) The glacier passes over, and leaves behind clusters of these cemented particles.

What rock do you change into?

Answer: Change into a **sedimentary** rock!

How do you change?

- 1) You are part of a tectonic plate colliding with another plate.
- 2) Your plate gets forced under the other, causing incredible friction.
- 3) The friction produces heat and pressure, transforming of your minerals.

What rock do you change into?

Answer: Change into a **metamorphic** rock!

How do you change?

- 1) You lie deep in the Earth's crust
- 2) You slowly melt from the heat of the Earth's mantle.
- 3) As the Earth's plates shift, you get pushed up, towards the surface and cool and harden in the process.

What rock do you change into?

Answer: Change into an igneous rock!









- 1) Boom! A volcano close by has just erupted!
- 2) Lava flowing from the volcano swallows you, melting you instantly.
- 3) As part of the stream of molten rock, you eventually cool and harden.

What rock do you change into?

Answer: Change into an igneous rock!

How do you change?

- 1) You are a stone deep under the ocean's floor.
- 2) A new fault in the oceanic plate allows magma to erupt to the surface near you.
- 3) The intense pressure and heat from the eruption causes you to change as your minerals re-crystalize.

What rock do you change into?

Answer: Change into a **metamorphic** rock!

How do you change?

- 1) You lie near the bottom of the Earth's crust, 10 miles below the surface!
- 2) With the intense pressure of the rocks above you and the heat from below you are transformed into another type of rock.

What rock do you change into?

Answer: Change into a **metamorphic** rock!

How do you change?

- 1) You get buried under sediment on the ocean floor.
- 2) You get forced underneath (subduction) the North American continent, towards the center of the Earth.
- 3) You slowly melt from the heat of the Earth's mantle.
- 4) You get forced up and harden in the cold water.

What rock do you change into?

Answer: Change into an **igneous** rock!









- 1) You lie on the ocean floor and are buried deeper and deeper under sediment.
- 2) As you sink lower in the Earth's crust, the heat and pressure increases.
- 3) Eventually this heat and pressure is great enough to change your minerals.

What rock do you change into?

Answer: Change into a metamorphic rock!

How do you change?

- 1) You are lying in the middle of a field.
- 2) Suddenly, a flaming meteorite from space smashes into you!
- 3) You are melted from the impact with the hot space rock and flung into the air where you cool and harden.

What rock do you change into?

Answer: Change into an igneous rock!

How do you change?

- 1) An earthquake jolts you from your resting place and you tumble downhill, breaking up into smaller pieces.
- 2) A series of storms causes floods which wash you away to the ocean. Along the way, you crumble into still smaller bits of rock.
- 3) With the tremendous weight of the ocean water above, you get smashed and cemented to other sediments on the ocean's floor.

What rock do you change into?

Answer: Change into a **sedimentary** rock!

How do you change?

- 1) The roots of trees grow into your cracks, breaking you out of your rock bed. You to fall into a nearby stream.
- 2) The stream breaks you down into smaller pieces which get washed downstream.
- 3) The stream dries up and your pieces become cemented to other bits of rock around you.

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