Rock Cycle Dice: Sediments

Buried under Deposited more layers Blown by wind. of sediment. in ocean. Stay Go to Stay Lithification Sediments 1 Sediments | Sediments | Buried under more layers of sediment. Go to Lithification Sediments Washed downstream. Stay **Sediments** Washed downstream. Stay

Sediments

Yellow

Rock Cycle Dice: Lithification

Process of compaction and cementation continues.

Stay

Lithification

Process of compaction and cementation continues.

Stay

Lithification

Experience great pressure.

Go to Sedimentary Rocks

Lithification

Process of compaction and cementation continues.

Stay

Lithification

Experience great pressure.

Go to Sedimentary Rocks

Lithification

Experience great pressure.

Go to Sedimentary Rocks

Lithification

Green

Rock Cycle Dice: Sedimentary Rocks

Exposed to the surface.

Go to Weathering

Sedimentary Rocks

Subduction occurs.

Go to Melting

Sedimentary Rocks

Exposed to the surface.

Go to Weathering

Sedimentary Rocks

Subduction occurs.

Go to Melting

Sedimentary Rocks

Buried under more layers of sediment.

Go to Metamorphism

Sedimentary Rocks

Buried under more layers of sediment.

Go to Metamorphism

Sedimentary Rocks

Yellow

Rock Cycle Dice: Melting

Carried into the mantle.

Stay

Melting

Carried into the mantle.

Stay

Melting

Trapped just below the Earth's surface.

Go to Magma

Melting

Carried into the mantle.

Stay

Melting

Trapped just below the Earth's surface.

Go to Magma

Melting

Trapped just below the Earth's surface.

Go to Magma

Melting

Peach

Rock Cycle Dice: Magma

Slowly rise toward the Earth's surface.

Go to Cooling

Magma

Erupt from a volcano.

Go to Cooling

Magma

Remain in a pocket under the surface.

Stay

Magma

Slowly rise toward the Earth's surface.

Go to Cooling

Magma

Remain in a pocket under the surface.

Stay

Magma

Remain in a pocket under the surface.

Stay

Magma

Pink

Rock Cycle Dice: Cooling

Solidification complete.

Go to
Igneous Rocks

Cooling

Cooling process continues.

Stay

Solidification complete.

Go to
Igneous Rocks

Cooling

Cooling process continues.

Stay

Cooling

Cooling

Solidification complete.

Go to Igneous Rocks

Cooling

Solidification complete.

Go to
Igneous Rocks

Cooling

Blue

Rock Cycle Dice: Igneous Rocks

Environment of great stress.

Go to Metamorphism

Igneous Rocks |

Subduction occurs.

Go to Melting

Igneous Rocks

Environment of great stress.

Go to Metamorphism

Igneous Rocks

Come in contact with magma.

Go to Melting

Igneous Rocks

Exposed to surface.

Go to Weathering

Igneous Rocks

Exposed to surface.

Go to Weathering

Igneous Rocks

Pink

Rock Cycle Dice: Metamorphism

Continue to undergo heat and pressure.

Stay

Metamorphism

Continue to undergo heat and pressure.

Stay

Metamorphism

Existing elements recombine and harden.

Go to Metamorphic Rocks

Metamorphism

Continue to undergo heat and pressure.

Stay

Metamorphism

Existing elements recombine and harden.

Go to Metamorphic Rocks

Metamorphism

Existing elements recombine and harden.

Go to Metamorphic Rocks

Metamorphism

Green

Rock Cycle Dice: Metamorphic Rocks

Uplifted to the surface.

Go to Weathering

Metamorphic Rocks

Remain under the Earth's surface.

Stay

Metamorphic Rocks

Uplifted to the surface.

Go to Weathering

Metamorphic Rocks

Remain under the Earth's surface.

Stay

Metamorphic Rocks

Come in contact with magma.

Go to Melting

Metamorphic Rocks

Come in contact with magma.

Go to Melting

Metamorphic Rocks

Peach

Rock Cycle Dice: Weathering

Break apart Remain part Remain part from rock. of rock. of rock. Go to Stay Stay **Sediments** Weathering Weathering Weathering Remain part of rock. Stay Weathering Break apart from rock. Go to **Sediments** Weathering Break apart from rock.

> Go to **Sediments**

> > Weathering

Blue