

Building Block Tree of Life Cards

Life Science (Lower Middle)
Unit 5


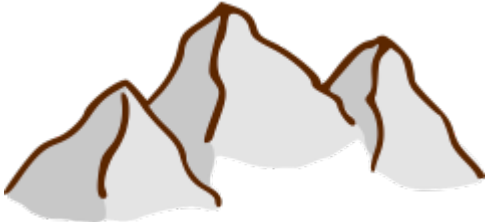
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<p>Variation:</p> <p><i>During reproduction, the offspring of your building block species experiences a mutation that causes a variation in their inherited traits.</i></p> <p>Create a copy of your building block species. Change one building block in the copy to a different color. Add a straw from the current building block species and place the copy on the other side of the straw. Place a mutation card next to the new building block species.</p>	<p>Isolation:</p> <p><i>A nearby lake creates a river splitting the land where your building block species lives. Since your building block species cannot swim, some of the building block species cannot reproduce with each other (they can only reproduce with the building block species on their side of the river).</i></p> <p>Create two copies of your building block species. Add two straws from the current building block species and place one of the copies on each end of the straws with a river card in between.</p>
<p>Extinction:</p> <p>Note: ONLY play this card if your tree of life currently has at least two branches to build from. If it doesn't, shuffle this card back into the pile and choose a new card.</p> <p><i>An active volcano erupts and the lava comes through the environment in which your building block species live. All of the members of this building block species die off.</i></p> <p>Do not add any straws or additional copies to this species. They are now extinct. Place an extinction card next to this species.</p>	<p>Isolation:</p> <p><i>Due to the movement of tectonic plates over time, a new mountain forms splitting the land where your building block species lives. Since your building block species cannot fly, some of the building block species cannot reproduce with each other (they can only mate with the building block species on their side of the mountain).</i></p> <p>Create two copies of your building block species. Add two straws from the current building block species and place one of the copies on each end of the straws with a mountain card in between.</p>

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<p>Isolation:</p> <p><i>With the development of a new apartment complex in the forest, humans put up a tall fence that separates some members of your building block species from each other. Since your building block species cannot fly, they cannot reproduce with each other, only the building block species on their side of the barrier.</i></p> <p>Create two copies of your building block species. Add two straws from the current building block species and place one of the copies on each end of the straws with a construction card in between.</p>	<p>Variation:</p> <p><i>During the time span of a few decades, the environment your building block species lives in experiences a change in climate, making the overall temperature colder than usual. Only the organisms with an extra layer of fat or fur survive in this environment.</i></p> <p>Create a copy of your building block species. Add one block to the copy. Add a straw from the current building block species and place the copy on the other side of the straw. Place a climate card next to the new building block species.</p>

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 <p>A yellow diamond-shaped sign with a black border. Inside the diamond, a black hard hat is at the top, and a hammer and a wrench are crossed in the center. Below the diamond is a black rectangular banner with the words "UNDER CONSTRUCTION" in white capital letters.</p>	 <p>A stylized illustration of a river. The river is a bright blue, winding shape. On either side of the river are green hills. Three small, stylized trees with green foliage and brown trunks are scattered across the hills. A small black fish is visible in the river.</p>
 <p>A simple line drawing of three grey mountains with brown outlines, set against a white background.</p>	 <p>An illustration of a blue and green Earth globe resting on a large, light blue ice cube. The ice cube is melting, with a puddle of light blue water around its base. Bright orange and yellow flames are rising from the top of the globe.</p>

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Extinction



Mutation