

**Heading** Abiotic Factors and Survival Cube

**Sub Heading** **Abiotic factors are the non-living factors in an ecosystem that affect the survival of organisms in that ecosystem. They include:**

- water availability
- sunlight
- temperature range
- substrate - rock type or sand
- geographical terrain
- oxygen availability
- exposure







**Sub Heading MATERIALS:**

- Template for Abiotic Factors cube
- Template for Animals cube

**Sub Heading ACTIVITY:**

- First roll the Animal cube to select an animal
- Then roll the Abiotic Factors cube to select a factor
- List the ways in which the animal would be affected by the selected abiotic factor

<p><b>Sunlight:</b> How does the amount of food produced in an ecosystem depend on the intensity and amount of sunlight?</p>	<p><b>Water:</b> How does the tide affect the types of plants and animals that grow in a rockyshore ecosystem like those at Barwon Bluff Marine Sanctuary ?</p>	<p><b>Geographical terrain:</b> How does the geographical terrain affect what plants and animals will live in an ecosystem?</p>
<p><b>TAB</b></p>	<p><b>Temperature:</b> How does temperature affect the plants and animals that can survive in a rockyshore ecosystem like those at Barwon Bluff Marine Sanctuary?</p>	<p><b>TAB</b></p>
<p><b>TAB</b></p>	<p><b>Exposure:</b> How do winds and waves affect the plants and animals that can live in a rockyshore ecosystem like those at Barwon Bluff Marine Sanctuary?</p>	<p><b>TAB</b></p>
<p><b>TAB</b></p>	<p><b>Sub-stratum or soil:</b> What aspects of sea floor can affect the plants and then animals that can live in a rockyshore ecosystem?</p>	<p><b>TAB</b></p>

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