

<p>The orcas' typical food source, seals, are less abundant which causes them to move further inland and prey on more sea otters.</p> <p>Remove 1 <b>orange</b> block</p>	<p>Unmanaged commercial fishing leads to overharvest.</p> <p>Remove 1 <b>yellow</b> block.</p>
<p>Increased burning of fossil fuels by humans leads to decreased ocean pH and warmer temperatures. This process of ocean acidification makes it difficult for urchins to build their exoskeletons.</p> <p>Remove 1 <b>purple</b> block</p>	<p>Fertilizer from farms runs into the ocean and leads to overgrowth of algae. The algae releases a poison that is toxic to sea otters.</p> <p>Remove 1 <b>orange</b> block</p>
<p>People don't clean up after their pets and cat poop gets into the water. It carries a disease that infects sea urchins and kills sea otters.</p> <p>Remove 1 <b>purple</b> block and 1 <b>orange</b> block</p>	<p>Fertilizer from people's lawns washes into the ocean and causes an algal bloom that blocks sunlight and prevents kelp from growing.</p> <p>Remove 1 <b>green</b> block</p>

<p>As ocean surface temperatures rise, storms become more severe. A massive storm destroys kelp forests.</p> <p>Remove 2 <b>green</b> blocks</p>	<p>A large ship creates an oil spill off the coast.</p> <p>Remove 1 block of <b>each color</b> (except blue)</p>
<p>A ship from a different port introduces invasive crabs which outcompete sea urchins and fish for food.</p> <p>Remove 1 <b>purple</b> and 1 <b>yellow</b> block</p>	<p>Sea otters are dying from diseases. This leads to an explosion of sea urchins and a decrease in kelp.</p> <p>Remove 1 <b>orange</b> block and 2 <b>green</b> blocks Add 1 <b>purple</b> block</p>
<p>Declines in kelp eliminate hiding spaces for fish, leading to more predation by orcas.</p> <p>Remove 1 <b>yellow</b> block Add 1 <b>red</b> block</p>	<p>Restrictions under the Marine Mammal Protection Act are lifted. Humans are allowed to hunt orcas and sea otters again.</p> <p>Remove 1 <b>red</b> block and 1 <b>orange</b> block</p>

<p>Overharvest of large fish leaves mainly smaller fish in the oceans. This results in less profit for fishermen.</p> <p>Remove 1 <b>blue</b> block</p>	<p>Poisoning of fish and sea urchins from urban run-off causes a recreational fisherman to get sick from consuming these animals.</p> <p>Remove 1 <b>blue</b> block</p>
<p>Warming ocean temperatures reduce the number of fish eggs that successfully hatch.</p> <p>Remove 1 <b>yellow</b> block</p>	<p>Disturbance from kayakers causes otters to focus on swimming away instead of searching for food, leading to starvation.</p> <p>Remove 1 <b>orange</b> block</p>
<p>Noise from large ships disrupts sonar communication among orcas, reducing their hunting efficiency.</p> <p>Remove 1 <b>red</b> block</p>	<p>Humans overharvest kelp for pharmaceutical and food products.</p> <p>Remove 1 <b>green</b> block</p>

<p>Rising temperatures reduce kelp's defense against bacterial infections.</p> <p>Remove 1 <b>green</b> block</p>	<p>Local schools and businesses agree to use renewable energy sources to cut down on greenhouse gas emissions.</p> <p>Add 1 <b>green</b> block</p>
<p>The Sea Otter Savvy conservation group increases awareness about keeping a safe distance from sea otters while kayaking.</p> <p>Add 1 <b>orange</b> block</p>	<p>Local farmers agree to reduce fertilizer use.</p> <p>Add 1 <b>green</b> block</p>
<p>Students organize a bike-to-school event to reduce CO<sub>2</sub> emissions from cars, helping to limit ocean acidification.</p> <p>Add 1 <b>purple</b> block</p>	<p>Researchers are given money to study sustainable harvest levels for fish.</p> <p>Add 1 <b>yellow</b> block and 1 <b>blue</b> block</p>

<p>Engineers discover a new way to reduce noise from commercial ships, creating less disturbance for orcas.</p> <p>Add 1 <b>red</b> block</p>	<p>The school establishes a recycling program so less trash ends up in the ocean, reducing plastic ingestion by fish.</p> <p>Add 1 <b>yellow</b> block</p>
<p>An oil pipeline bursts, releasing oil into the water.</p> <p><b>Roll the dice</b> 3 times to determine what color blocks to remove</p>	<p>Rising ocean temperatures impact all levels of this system.</p> <p><b>Roll the dice</b> 2 times to determine what color blocks to remove</p>
<p>During a rainstorm, trash is washed into the ocean.</p> <p><b>Roll the dice</b> 1 time to determine what color block to remove</p>	<p>A new marine protected area is established, benefiting all levels of the food chain.</p> <p><b>Roll the dice</b> 2 times to determine which color blocks to add</p>