

Population Shuffle Playing Cards

<p style="text-align: center;">Pollution</p> <p>Your population is very sensitive to some weed killer that got into your water supply. Your population size goes down, and your predator and your food source are affected.</p> <p>↓ You lose 10 ↓ Hawks lose 5 ↑ Wheat gains 20</p>	<p style="text-align: center;">Habitat</p> <p>Your population finds a nice habitat and your population size goes up. You are eating more, and your predator has more to eat.</p> <p>↑ You gain 10 ↑ Hawks gain 5 ↓ Wheat loses 15</p>	<p style="text-align: center;">Weather</p> <p>It's a dry season, and your population's habitat gets too dry.</p> <p>↓ You lose 15 ↓ Hawks lose 10 ↑ Wheat gains 25</p>
<p style="text-align: center;">Storm</p> <p>An early hailstorm destroys your habitat.</p> <p>↓ You lose 10 ↓ Hawks lose 5 ↑ Wheat gains 20</p>	<p style="text-align: center;">Invader</p> <p>An outside population invades your habitat and competes with you for your food source</p> <p>↓ You lose 5 ↓ Wheat loses 10 ↓ Hawks lose 5</p>	<p style="text-align: center;">Fire</p> <p>A forest fire sweeps through your habitat. The whole ecosystem is affected.</p> <p>↓ All populations lose 25</p>
<p style="text-align: center;">Habitat</p> <p>A foraging animal destroys your population's habitat.</p> <p>↓ You lose 10 ↓ Hawks lose 5 ↑ Wheat gains 20</p>	<p style="text-align: center;">Predator</p> <p>Your predator's population finds another food source, and you get a break.</p> <p>↑ You gain 10 ↓ Wheat loses 20</p>	<p style="text-align: center;">Disease</p> <p>A disease makes some of your population sick.</p> <p>↓ You lose 10 ↓ Hawks lose 5 ↑ Wheat gains 20</p>
<p style="text-align: center;">Weather</p> <p>Spring comes early this year! The entire ecosystem is affected.</p> <p>↑ All populations gain 10</p>	<p style="text-align: center;">Invader</p> <p>An outside population invades your ecosystem and competes with your predator for its habitat.</p> <p>↓ Hawks lose 5 ↑ You gain 10 ↓ Wheat loses 20</p>	<p style="text-align: center;">Food source</p> <p>Your population finds another food it likes, and eats less of your food source.</p> <p>↑ Algae gains 10</p>

Population Shuffle Playing Cards

MICE	MICE	MICE
MICE	MICE	MICE
MICE	MICE	MICE
MINNOWS	MICE	MICE

Population Shuffle Playing Cards

<p style="text-align: center;">Predator</p> <p>Your population has found a place to live that your predator can't find.</p> <p>↑ You gain 10 ↓ Algae loses 20</p>	<p style="text-align: center;">Pollution</p> <p>Your population's water supply becomes polluted.</p> <p>↓ You lose 10 ↓ Herons lose 5 ↑ Algae gains 15</p>	<p style="text-align: center;">Weather</p> <p>It's a long, cold winter, and the whole ecosystem is affected.</p> <p>↓ All populations lose 5</p>
<p style="text-align: center;">Pollution</p> <p>Garbage is dumped in your habitat!</p> <p>↓ You lose 10 ↓ Herons lose 5 ↑ Algae gains 20</p>	<p style="text-align: center;">Humans</p> <p>Laws are passed against air pollution. The air in your habitat becomes much cleaner and the whole ecosystem is affected.</p> <p>↑ All populations gain 15</p>	<p style="text-align: center;">Weather</p> <p>The weather is too hot for your population this summer.</p> <p>↓ You lose 10 ↓ Herons lose 10 ↑ Algae gains 15</p>
<p style="text-align: center;">Weather</p> <p>You have a hard winter and your population size goes down. Your food source survived the winter fine, and now there are less of you to eat them.</p> <p>↓ You lose 10 ↑ Algae gains 20</p>	<p style="text-align: center;">Habitat</p> <p>Your population finds a nice habitat in the ecosystem.</p> <p>↑ You gain 10 ↓ Algae loses 15 ↑ Herons gain 10</p>	<p style="text-align: center;">Food source</p> <p>Your food source had a good year.</p> <p>↑ Algae gains 15 ↑ You gain 10 ↑ Herons gain 5</p>
<p style="text-align: center;">Habitat</p> <p>You find a nice place to live, and your population thrives.</p> <p>↑ You gain 15 ↓ Algae loses 20 ↑ Herons gain 10</p>		

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MINNOWS	MINNOWS	MINNOWS
MINNOWS	MINNOWS	MINNOWS
MINNOWS	MINNOWS	MINNOWS
		MINNOWS

Population Shuffle Playing Cards

<p style="text-align: center;">Weather</p> <p>A serious drought happens; the whole ecosystem is affected.</p> <p>↓ All populations lose 5</p>	<p style="text-align: center;">Pollution</p> <p>Garbage is dumped in your habitat!</p> <p>↓ You lose 5 ↑ Mice gain 10 ↓ Wheat loses 15</p>	<p style="text-align: center;">Disease</p> <p>A disease makes some of your population sick.</p> <p>↓ You lose 10 ↑ Mice gain 15 ↓ Wheat loses 20</p>
<p style="text-align: center;">Weather</p> <p>Spring comes early this year! The entire ecosystem is affected.</p> <p>↑ All populations gain 10</p>	<p style="text-align: center;">Invader</p> <p>An outside population invades your habitat and competes with you for your food source.</p> <p>↓ You lose 5 ↓ Mice lose 10 ↑ Wheat gains 20</p>	<p style="text-align: center;">Habitat</p> <p>Your population finds a nice habitat in the ecosystem.</p> <p>↑ You gain 10 ↓ Mice lose 15 ↑ Wheat gains 20</p>
<p style="text-align: center;">Food source</p> <p>Your population finds another food it likes, and eats fewer mice.</p> <p>↑ Mice gain 10 ↓ Wheat loses 20</p>	<p style="text-align: center;">Storm</p> <p>A heavy rainstorm creates flash floods. The entire ecosystem is affected.</p> <p>↓ All populations that live on land lose 15 (Hérons, Hawks, Mice, Wheat)</p>	<p style="text-align: center;">Food source</p> <p>Your food source had a good year.</p> <p>↑ Mice gain 15 ↑ You gain 10</p>
<p style="text-align: center;">Pollution</p> <p>Your population's water supply becomes polluted.</p> <p>↓ You lose 15 ↑ Mice gain 25 ↓ Wheat loses 30</p>	<p style="text-align: center;">Habitat</p> <p>A foraging animal destroys your population's habitat.</p> <p>↓ You lose 5 ↑ Mice gain 10 ↓ Wheat loses 20</p>	<p style="text-align: center;">Weather</p> <p>You have a hard winter and your population size goes down. Your food source survived the winter fine, and now there are less of you to eat them.</p> <p>↓ You lose 10 ↑ Minnows gain 20 ↓ Algae loses 30</p>

Population Shuffle Playing Cards

HAWKS	HAWKS	HAWKS
HAWKS	HAWKS	HAWKS
HAWKS	HAWKS	HAWKS
HERONS	HAWKS	HAWKS

Population Shuffle Playing Cards

<p style="text-align: center;">Habitat</p> <p>You find a nice place to live, and your population thrives. This means you're eating more.</p> <p>↑ You gain 10 ↓ Minnows lose 15 ↑ Algae gains 30</p>	<p style="text-align: center;">Humans</p> <p>Traffic around your habitat has increased, and the noise and pollution affect the entire ecosystem.</p> <p>↓ All populations lose 10</p>	<p style="text-align: center;">Humans</p> <p>Humans turn part of your ecosystem into a parking lot, and the whole ecosystem is affected.</p> <p>↓ All populations lose 10</p>
<p style="text-align: center;">Weather</p> <p>The winter is mild and the spring is warm. The whole ecosystem is affected.</p> <p>↑ All populations gain 15</p>	<p style="text-align: center;">Habitat</p> <p>An environmental group preserves some land in your ecosystem that is perfect for your population. That is good for you, and affects your food source and your food source's food source as well.</p> <p>↑ You gain 10 ↓ Minnows lose 15 ↑ Algae gains 20</p>	<p style="text-align: center;">Storm</p> <p>A bad storm destroys your population's habitat. Your population size goes down, and that means you're eating less. That allows your food source to grow, and they start to eat more.</p> <p>↓ You lose 5 ↑ Minnows gain 10 ↓ Algae loses 15</p>
<p style="text-align: center;">Weather</p> <p>It's a dry season, and your population's habitat gets too dry.</p> <p>↓ You lose 10 ↑ Minnows gain 15 ↓ Algae loses 25</p>	<p style="text-align: center;">Storm</p> <p>An early hailstorm destroys your nests.</p> <p>↓ You lose 10 ↑ Minnows gain 15 ↓ Algae loses 30</p>	<p style="text-align: center;">Weather</p> <p>The weather is too hot for your population this summer.</p> <p>↓ You lose 5 ↑ Minnows gain 10 ↓ Algae loses 15</p>

Population Shuffle Playing Cards

HERONS	HERONS	HERONS
HERONS	HERONS	HERONS
HERONS	HERONS	HERONS

Population Shuffle Playing Cards

<p style="text-align: center;">Weather</p> <p>Spring comes early this year! The entire ecosystem is affected.</p> <p>↑ All populations gain 10</p>	<p style="text-align: center;">Humans</p> <p>An environmental group cleans up the pollution in your habitat. The entire ecosystem is affected.</p> <p>↑ All populations gain 20</p>	<p style="text-align: center;">Predator</p> <p>Your population has found a protected place to live that your predator can't find.</p> <p>↑ You gain 20</p>
<p style="text-align: center;">Weather</p> <p>This was a very sunny season. Your population size grows, and this affects your predator and your predator's predator.</p> <p>↑ You gain 25</p> <p>↑ Minnows gain 15</p> <p>↑ Herons gain 10</p>	<p style="text-align: center;">Pollution</p> <p>Your population's water supply becomes polluted.</p> <p>↓ You lose 15</p> <p>↓ Minnows lose 10</p> <p>↓ Herons lose 10</p>	<p style="text-align: center;">Habitat</p> <p>Your population finds a nice habitat in the ecosystem.</p> <p>↑ You gain 10</p> <p>↑ Minnows gain 5</p> <p>↑ Herons gain 5</p>
<p style="text-align: center;">Disease</p> <p>A disease makes some of your population sick.</p> <p>↓ You lose 30</p> <p>↓ Minnows lose 20</p> <p>↓ Herons lose 10</p>	<p style="text-align: center;">Weather</p> <p>This year there was just the right amount of rain. The whole ecosystem is affected.</p> <p>↑ All populations gain 10</p>	<p style="text-align: center;">Predator</p> <p>Your predator had a bad year.</p> <p>↓ Minnows lose 10</p> <p>↑ You gain 20</p>
<p style="text-align: center;">Weather</p> <p>The ice comes off the lakes early this year. The entire ecosystem is affected.</p> <p>↑ All populations that live in the water (Minnows, Algae) gain 20.</p>	<p style="text-align: center;">Habitat</p> <p>A foraging animal destroys your population's habitat.</p> <p>↓ You lose 15</p> <p>↓ Minnows lose 10</p> <p>↓ Herons lose 5</p>	<p style="text-align: center;">Habitat</p> <p>You find a nice place to live, and your population thrives.</p> <p>↑ You gain 30</p> <p>↑ Mice gain 25</p> <p>↑ Hawks gain 20</p>

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ALGAE	ALGAE	ALGAE
ALGAE	ALGAE	ALGAE
ALGAE	ALGAE	ALGAE
WHEAT	ALGAE	ALGAE

Population Shuffle Playing Cards

<p style="text-align: center;">Weather</p> <p>The winter is mild. The entire ecosystem is affected.</p> <p>↑ All populations gain 25</p>	<p style="text-align: center;">Predator</p> <p>Your predator species finds some other food, and you get a break.</p> <p>↑ You gain 20</p>	<p style="text-align: center;">Weather</p> <p>It's a dry season, and you don't get enough water.</p> <p>↓ You lose 20</p> <p>↓ Mice lose 10</p> <p>↓ Hawks lose 5</p>
<p style="text-align: center;">Pollution</p> <p>Garbage is dumped in your habitat!</p> <p>↓ You lose 20</p> <p>↓ Mice lose 15</p> <p>↓ Hawks lose 10</p>	<p style="text-align: center;">Humans</p> <p>Logging takes place in your habitat. The entire ecosystem is affected.</p> <p>↓ All populations lose 15</p>	<p style="text-align: center;">Invader</p> <p>An outside population invades your ecosystem and competes with your predator for its habitat.</p> <p>↓ Mice lose 10</p> <p>↑ You gain 15</p> <p>↓ Hawks lose 5</p>
<p style="text-align: center;">Pollution</p> <p>Harmful chemicals have gotten into the ecosystem, and they make it hard for you to grow. This affects your predator and your predator's predator.</p> <p>↓ You lose 15</p> <p>↓ Mice lose 10</p> <p>↓ Hawks lose 5</p>	<p style="text-align: center;">Fire</p> <p>A forest fire has replenished the nutrients in the soil of your ecosystem.</p> <p>↑ You gain 25</p> <p>↑ Mice gain 20</p> <p>↑ Hawks gain 15</p>	<p style="text-align: center;">Weather</p> <p>The weather is too hot for your population this summer.</p> <p>↓ You lose 15</p> <p>↓ Mice lose 10</p> <p>↓ Hawks lose 5</p>

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WHEAT	WHEAT	WHEAT
WHEAT	WHEAT	WHEAT
WHEAT	WHEAT	WHEAT