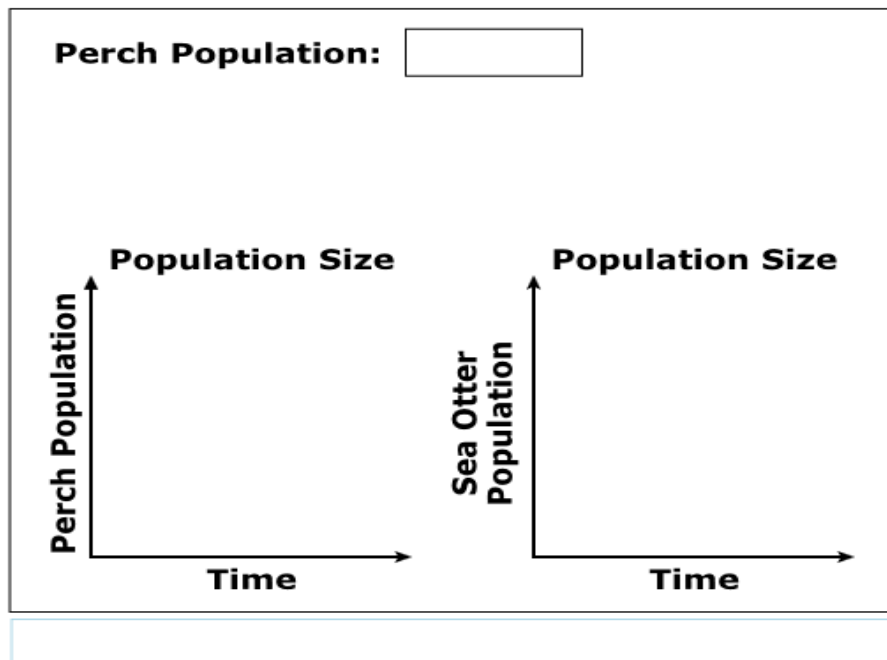


Sample Grade Eight Discrete Item

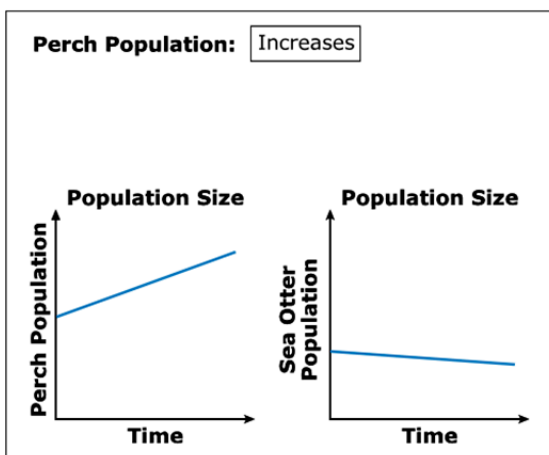
A student studies how changes in resources affect different populations in a kelp forest ecosystem off the coast of California.

Use the drop-down menu to choose whether to increase or decrease a population of perch, a type of fish, living in the kelp forest.

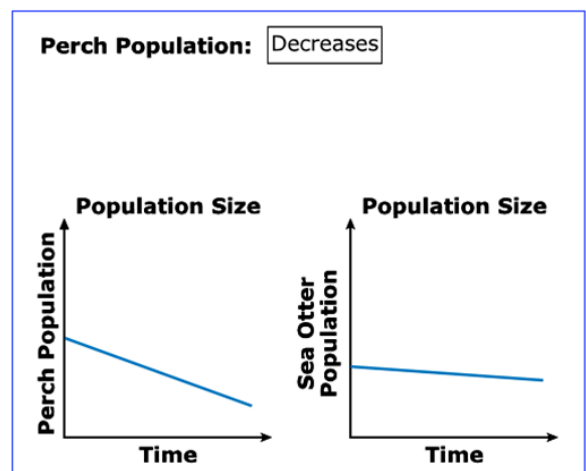
Changes in the perch population directly affect the sea otter population. The changes in both the perch and sea otter populations appear on the graphs.



Student selected “**Increases**” from drop-down menu for the perch population. The graphs autopopulate for the perch and sea otter populations

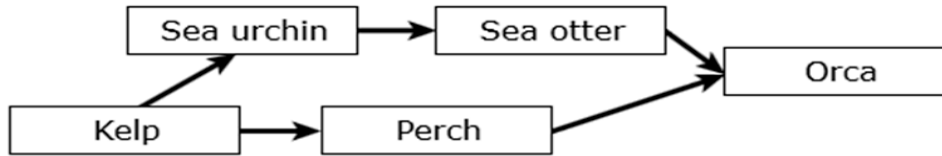


Student selected “**Decreases**” from drop-down menu for the perch population. The graphs autopopulate for the perch and sea otter populations



Sample Grade Eight Discrete Item: Drag and Drop Multiple Select

The diagram shows part of the food web for the kelp forest ecosystem.



Use the relationships shown in the food web and the lines on the graphs to predict the changes in the other populations of the kelp forest.

Organism	Relative Change
Orca	<input type="text"/>
Sea urchin	<input type="text"/>
Kelp	<input type="text"/>

Increases	Decreases	Remains steady
Increases	Decreases	Remains steady