

<iframe width="560" height="315" src="https://www.youtube.com/embed/ua7CtB-thjk" frameborder="0" allowfullscreen></iframe>

Phenomena:

Objective:

Overfishing
How & why & what factors affect a fish's success?

ACTIVITY/PROCESS	OBSERVATIONS/EVIDENCE/ PATTERNS	WHY?	CONNECTION
<i>world map</i> <i>Good fishing spots</i>	<i>- Temp doesn't matter</i> <i>- generally not too deep</i>	<i>- need sun for photos</i>	
	<i>- current run thru/around spot</i>	<i>- bring food, nutrient, O₂</i>	<i>attract others</i>
	<i>- upwelling</i>	<i>nutrients up attract small consumers</i>	<i>- sm. consumers attract larger fish etc.</i>

Name: _____

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Sea Lion Pop ↓	<ul style="list-style-type: none"> - Pop ↓ over time - Pups (West) most affected - Herring > nutritional value 	<ul style="list-style-type: none"> - Pollack pop ↑ (law) - pollack hard to catch & not enough nutrients 	<ul style="list-style-type: none"> - food web disturbed - ecosystem disrupted
Mercury Beads & Water	<ul style="list-style-type: none"> - 10% H₂O passed on, less H₂O - # of beads never changed - <H₂O> beads up the food chain - size of cup got smaller 	<ul style="list-style-type: none"> - ratio of beads to H₂O increases - toxin (bead) don't break down - population size 10,000 phyto, 1 human 	<ul style="list-style-type: none"> Biomagnification - up food chain, toxins more concentrated older fish have > toxins

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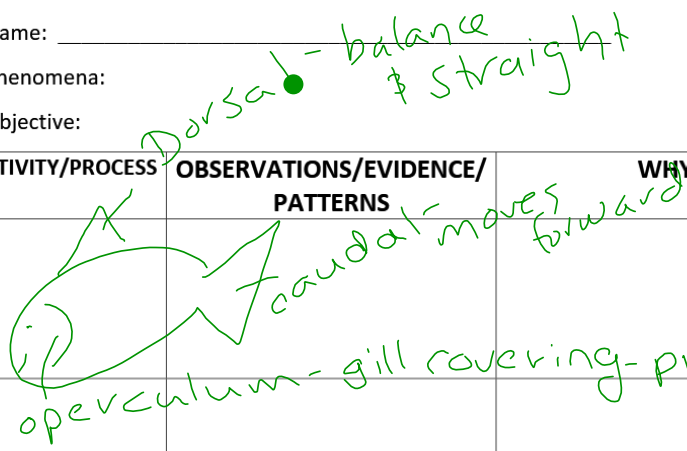
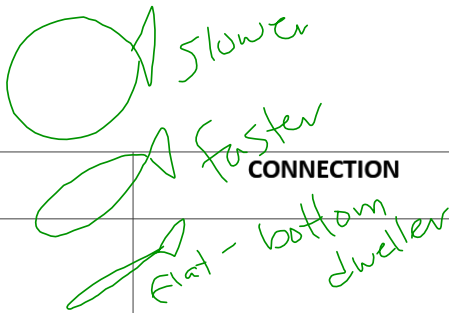
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ACTIVITY/PROCESS	OBSERVATIONS/EVIDENCE/ PATTERNS	WHY?	CONNECTION
Fishmosis Potato fish	- lost mass in salt H ₂ O - gained mass in fresh H ₂ O	- H ₂ O moves from high to low conc.	
Salmon video	Salmon migrate	- eggs laid in fresh - adult live in salt	H ₂ O in fish ↑ urination in salt H ₂ O urinate little
Fish Dissection	swim bladder → gills/gill rakers	controls buoyancy air goes ↑ air goes ↓ - get O ₂ from H ₂ O	
	skeleton made of bone		

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<p>Endotherm/ Ectotherm ↳ fish</p>	<p>fish body temp is whatever their environment is</p>	<p>when migrates body temp changes</p>	
<p>Fish Reproduction</p>	<p>tons of egg/babies most die (high mortality rate)</p>	<p>↑ change of survival</p>	

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