

Name: _____

Phenomena:

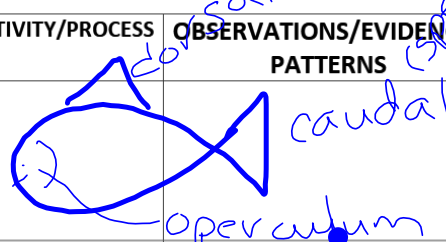
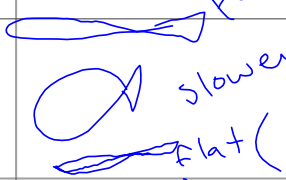
Objective:

ACTIVITY/PROCESS	OBSERVATIONS/EVIDENCE/ PATTERNS	WHY?	CONNECTION

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		<p>faster</p> <p>slower</p> <p>flat (bottom)</p>	
<p>Body Temp</p>	<p>Endotherm - regulate body temp</p>	<p>(mammals)</p>	
<p>Fish Repro</p>	<p>ext. fert. B Develop</p> <p>lots of eggs/babies</p>	<p>fish have high mortality → lots of babies to increase survival</p>	<p>(cold-blooded temp changes)</p>

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Osmosis Potato fish	<ul style="list-style-type: none"> in pure H₂O gain mass in salt H₂O lose mass 	<ul style="list-style-type: none"> Diff. conc of H₂O inside/out H₂O moves high → low 	<ul style="list-style-type: none"> - fish wants equil.
Salmon video	<ul style="list-style-type: none"> Salmon migrate lay eggs → fresh river adult life → in ocean return to fresh to spawn 	<ul style="list-style-type: none"> - survival rate is better in river → hide - river has nutrients 	<ul style="list-style-type: none"> - maintain homeostasis (balance) in fresh: H₂O in, pump out in salt: H₂O out, less urine, keep in
Dissection	<ul style="list-style-type: none"> large swim bladder small liver, short digestive system operculum covers gills 	<ul style="list-style-type: none"> buoyancy → air goes up, ↓ air goes ↓ → pumps H₂O over gills for O₂ to diffuse 	
	<ul style="list-style-type: none"> skeleton made of bone spines in fins 		

Name: Overfishing

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Objective: How to prevent extinction & still eat them?

ACTIVITY/PROCESS	OBSERVATIONS/EVIDENCE/ PATTERNS	WHY?	CONNECTION
<p>World maps fishing areas</p>	<p>- mostly shallow - upwelling - crossing currents</p>	<p>- lots of sun/ phytoplankton - brings up detritus & nutrients from deep - mix/stir in one area</p>	<p>- more food for fish - phytoplankton → big fish - traps plankton</p>
<p>Alaska Sea Lion Pop ↓</p>	<p>Pups ↓ mortality if consumed herring (less died if ate herring)</p>	<p>- herring easier to catch - herring > nutrition value than pollock</p>	<p>- a good food source is needed to support a health pop</p>