

Amoeba Sisters Video Recap: Biomagnification

1. Diagram it! Illustrate the orga and fill in the consumer labels. You				on of energy flow
5 Insects	2 Lizards		1 Predatory Bird	
(Primary Consumer)	(Consumer)	(Consumer)
2. Consider a toxin (with the abilinow this toxin can also reach liza				this toxin, explain
3. Which consumer level from qu	estion #1 would yo	u predict to have the highest	concentration of toxin	? Why?
				Toxin Concentration
4. The video mentions that many are intended to be placed. Explai		ny pesticides, do not necessa	rily stay isolated to the	area where they
				o where I want, yo.





Amoeba Sisters Video Recap: *Biomagnification*Apply It!

Mercury is a toxin that is of significant concern due to biomagnification. It can be found in varying concentrations in fish. Many health organizations provide guidelines for fish consumption and list average mercury concentrations in different fish species. Explain how mercury found in an aquatic environment can accumulate in biomagnification, and explain how limiting consumption of large predatory fish, such as swordfish, may be necessary for individuals trying to avoid high mercury concentrations.

5.		
3.		Producers
		Primary Consumers
		Secondary Consumers

6. Your Ideas: Based on your understanding of **biomagnification**, what are some questions that one may want to consider if preparing to release a new pesticide?

