

## Bio 36.1

Goals: Describe energy flow within an ecosystem

Plan:

Trailer: "The Meg"

How much would "the meg" have to eat to sustain itself?

10% rule for energy conversion

Article: bioaccumulation and biomagnification <https://cimioutdoored.org/bioaccumulation-and-biomagnification-increasingly-concentrated-problems/>

Why is pollution so much more dangerous for predators?

## Bio 36.2

Goals: Create food webs based on energy flow within an ecosystem

Plan:

Biomes: what defines them and what organisms you could find in any of them

Independent work: pick a biome and map out the energy relationships between at least seven different organisms

- Start with the sun, and then sketch the flow of energy to the apex predators
- Remember, arrows point to where the energy flows. A rabbit pointing to grass would be backwards
- Not judging on realism, but on your creativity with what you can draw