

9/22

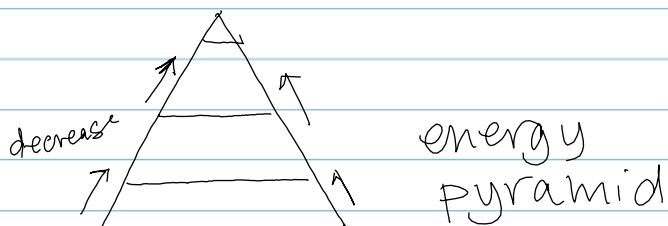
food chain - set of producers and consumers

passing energy from sun

grass → grasshopper → bird → snake → raccoon

↓
producer
(sun's energy
directly)

* If animal eats a
producer it gets most
sun's energy that a
consumer can get



producers - photosynthesis + soil
(highest of sun's energy)

2 things that decrease :

- sun's energy
- population of the species

Human don't fit the description → we've
overcome lots of the limiting factors...

Limiting Factors - populations can't continue
unlimited because of:

- food
- water
- space

carrying capacity - amount of a species that
an environment can support.

competition - Species try to use the same
resources = space, sun, shelter, water
food...

prey - organism killed by another organism
for food

predator - organism that eats another organism
for food

protection -

- camouflage (hard to be seen - blend)
- defensive chemicals (~~and~~ odor, poison)
- coloration (warning) - ~~animals~~ animals have certain colors (red, black, white, yellow) that warn about chemical weapon
- mimicking - animals trying to make other animals think they're dangerous
- "group" - packs, herd, school
- sound warning
- movement -

p. 62 Symbiosis (relationship between two different species)

Mutualism - two organisms are benefited

- bacteria in your intestines
- ants in ~~acacia~~ tree (acacia)

commensalism - one species is helped & other isn't affected.

- shark → remora

parasitism - (host, parasite) one is harmed as other species is helped

- fleas, ticks, bacteria, worms
- viruses

EXTRA CREDIT: Why does fall exactly start @ 9:29 pm?

• EXTRA!