

Ecosystems

Ecosystem: A self-sustaining group of organisms including the biotic and abiotic factors, interacting with each other and their environment

Population: The total number of organisms of a particular species in an ecosystem at one time that breed together

Community: All the organisms in an ecosystem at one time that interact with each other

Niche: The particular role an organism plays in an ecosystem

Habitat: The place where an organism lives

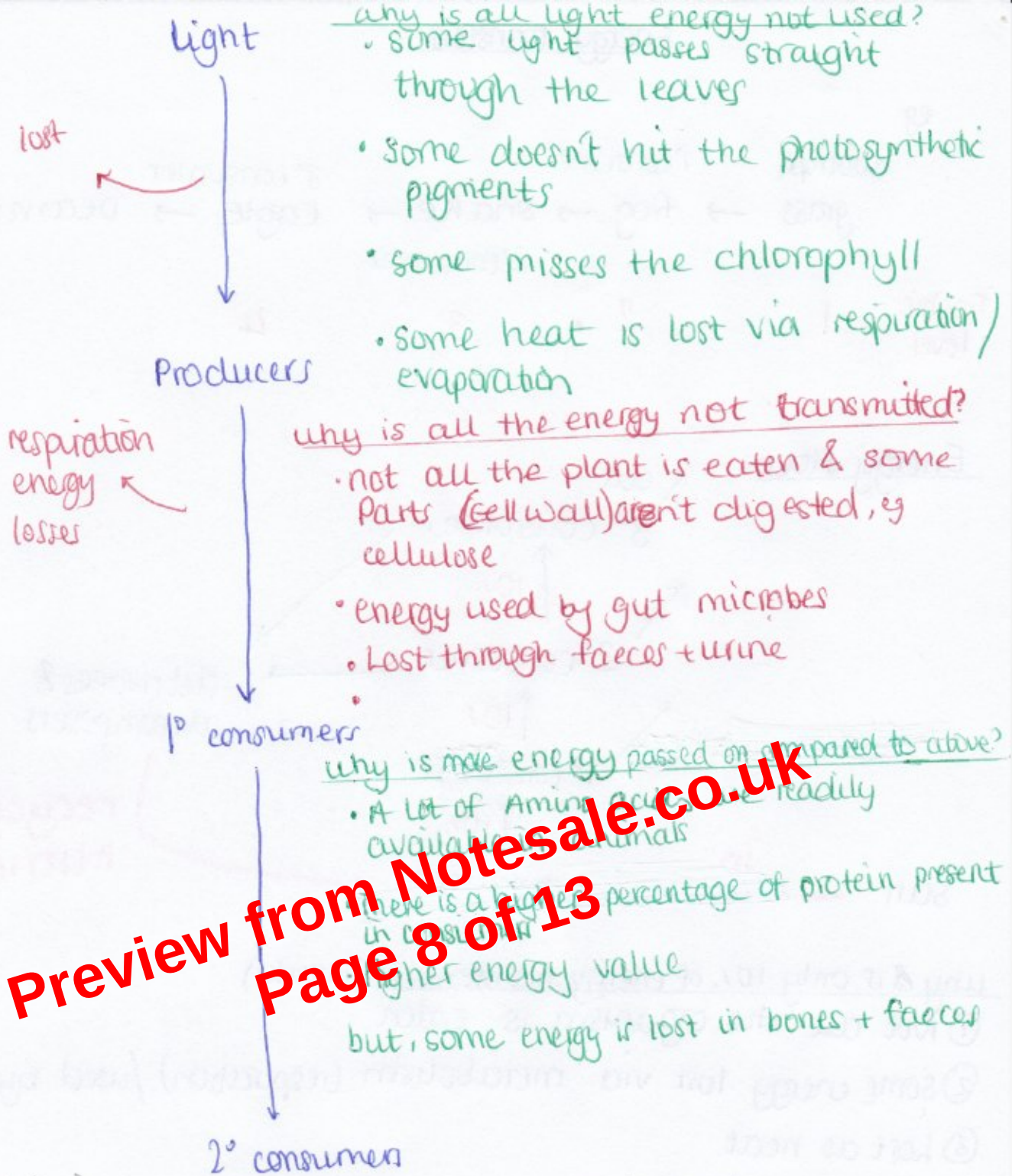
Ecology: The study of the interactions between organisms

Biomass: The sum of the energy stored as chemical energy in the form of organic compounds

Autotroph: Organisms that use light energy to convert simple organic molecules into complex organic molecules to store energy

Heterotroph: Organisms that use the complex organic molecules to gain energy

Detritivores / decomposers: Are fungi or bacteria that break down dead organisms/ matter to obtain energy, by secreting enzymes onto the food externally (saprotrophic nutrition by decomposers), or by internally digesting the food (detritivores), eg earthworms.



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order of protein in:

- ① Animal eats plant
- ② Digest proteins to amino acids
- ③ Amino acids move into blood
- ④ synthesis of proteins

proteins out

- ① Death
- ② decomposition
- ③ Egestion (defecation)
- ④ excretion