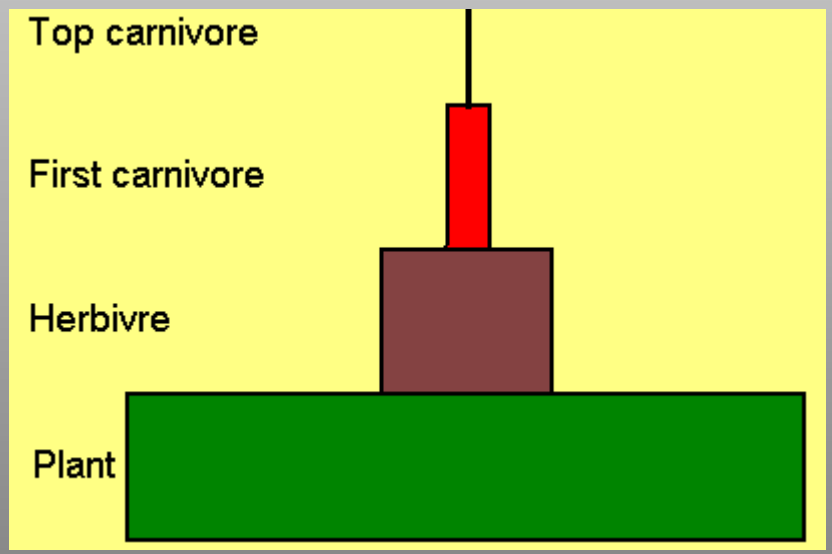
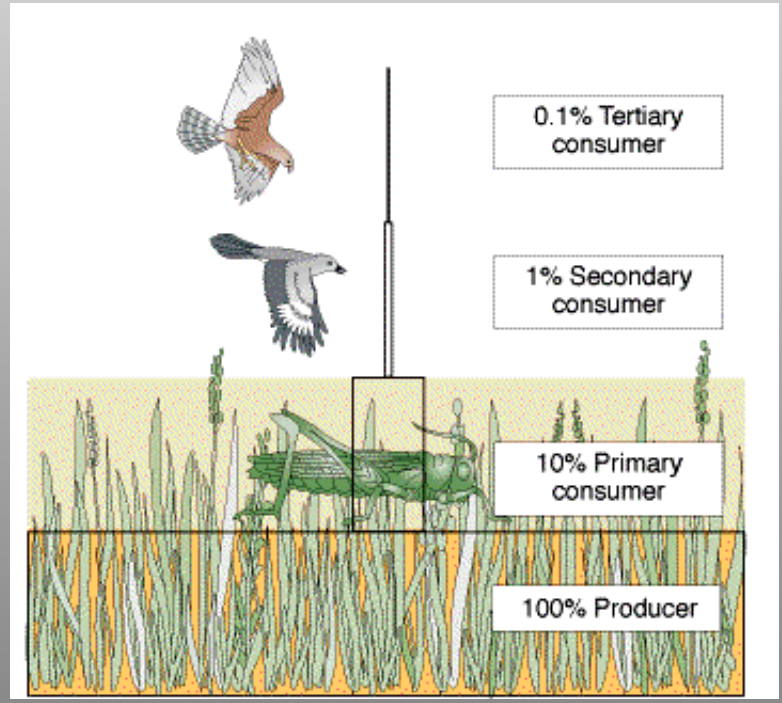
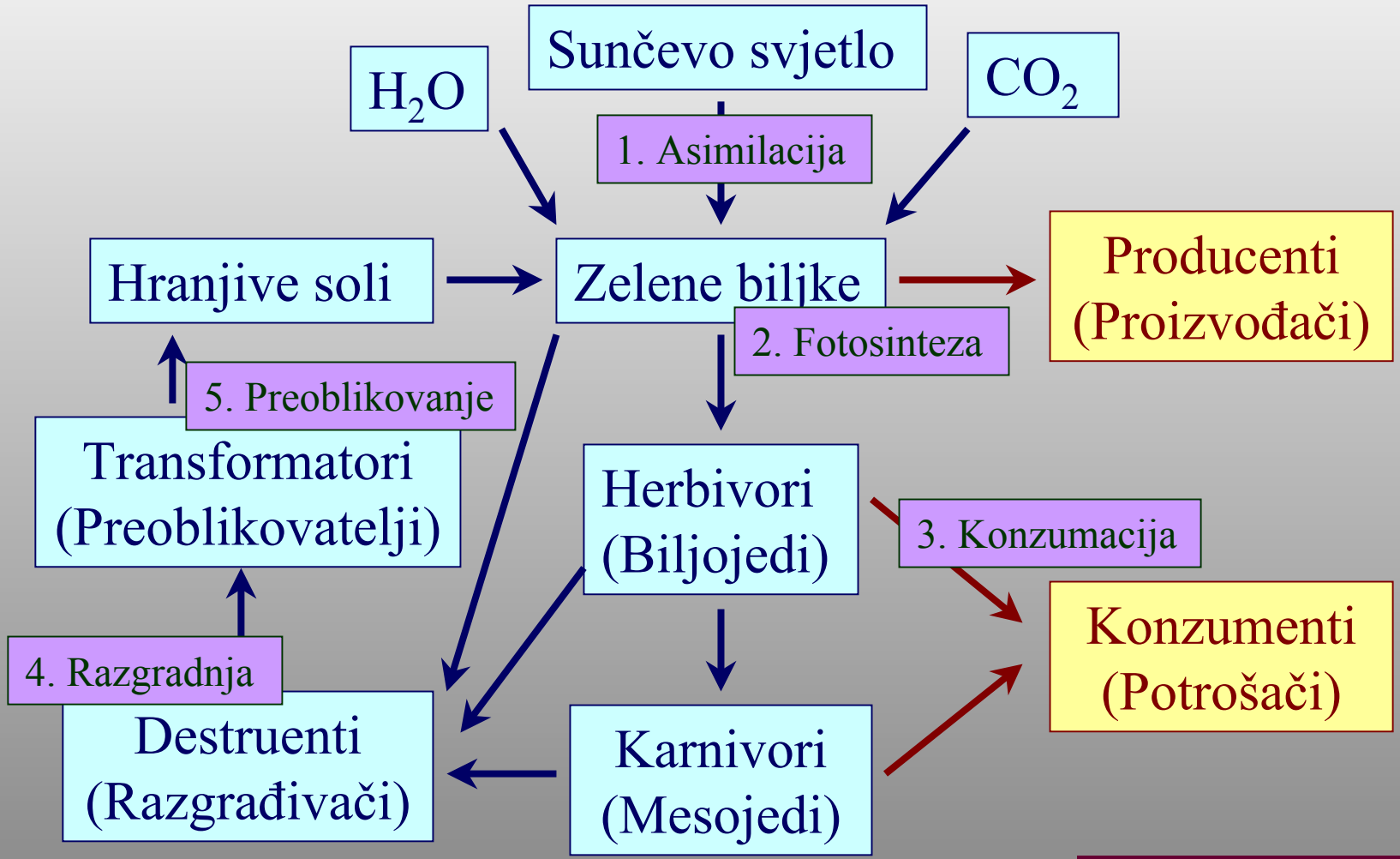
EKOLOGIJA EKOSISTEMA

1. Koncept ekosistema
2. Trofičke razine u ekosistemu
3. Proizvodnja i protok energije kroz ekosistem
4. Kruženje tvari kroz ekosistem
5. Regeneracija hranjiva u ekosistemu

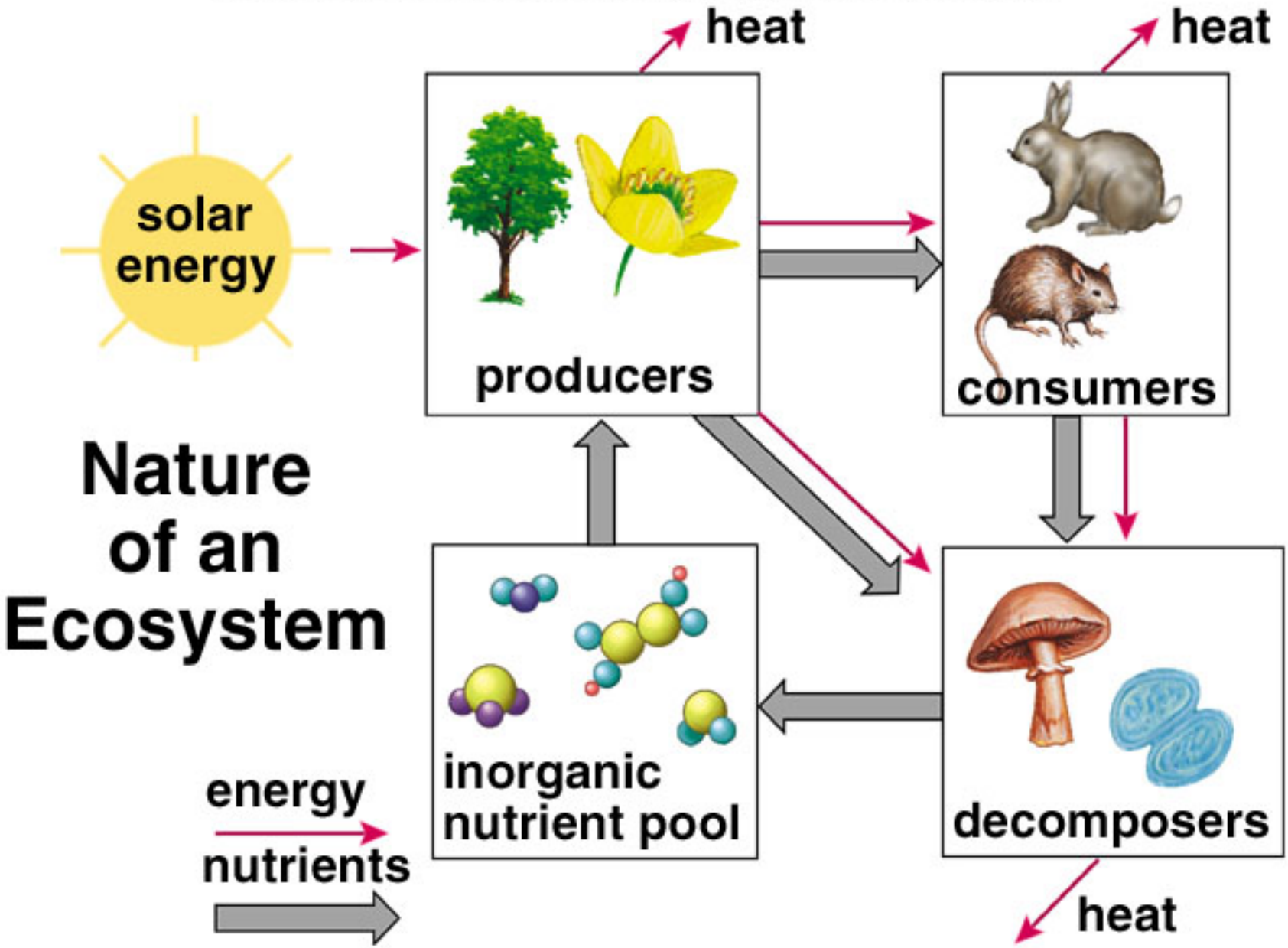
TROFIČKE RAZINE U EKOSISTEMU



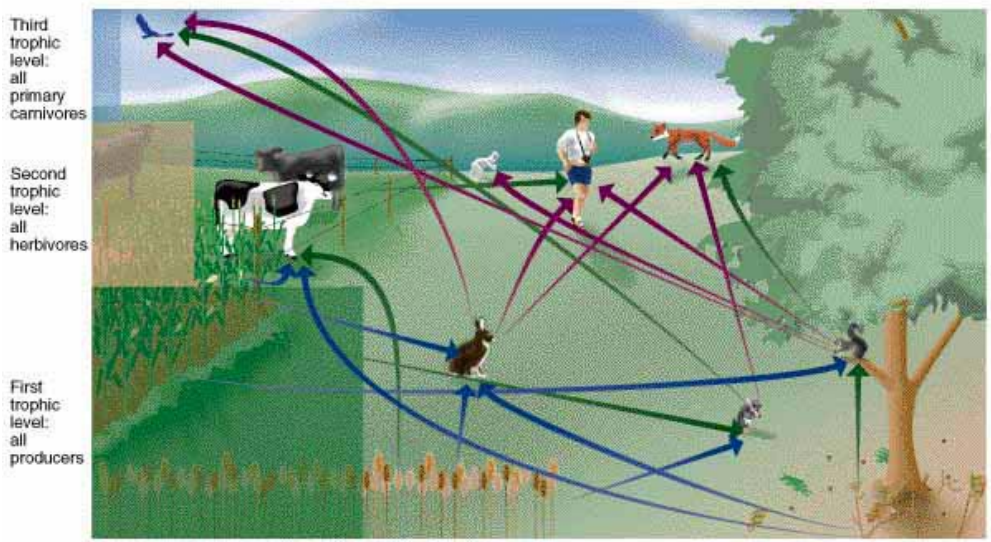


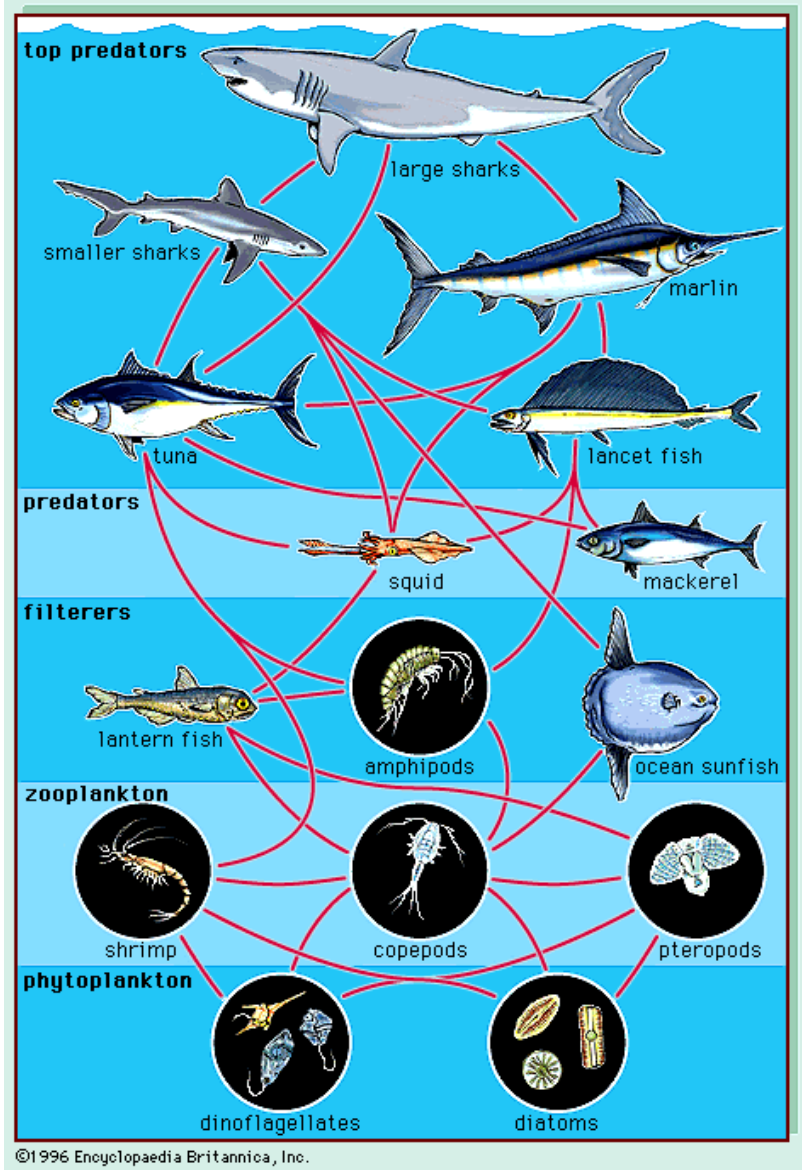


TROFIČKE RAZINE I TEMELJNI PROCESI U EKOSISTEMU

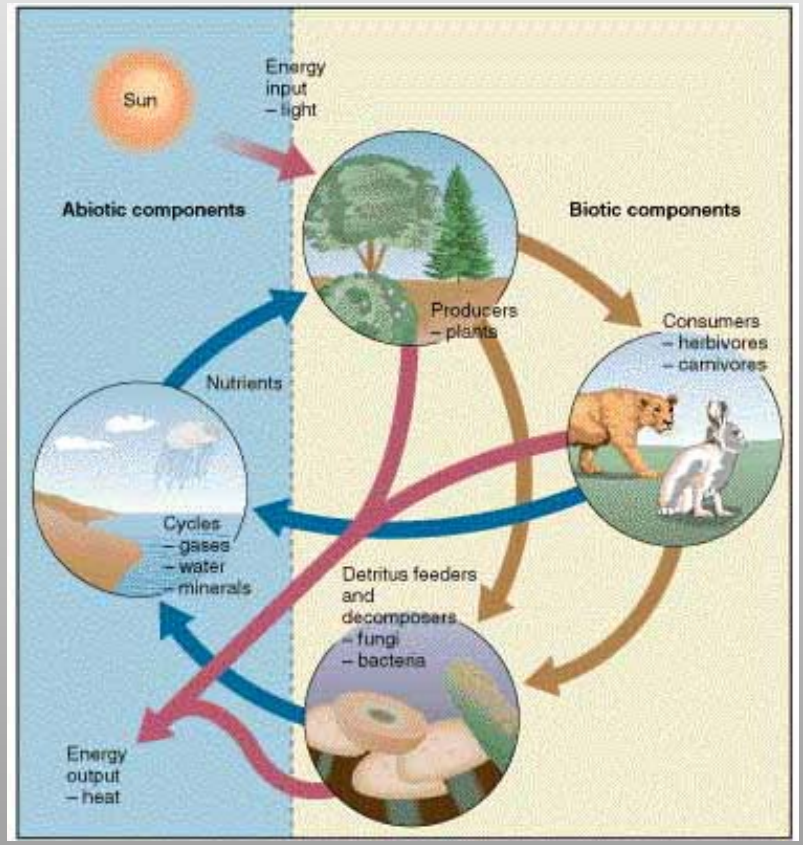

heat
heat
solar energy
producers
consumers
Nature of an Ecosystem
inorganic nutrient pool
decomposers
energy
nutrients
heat

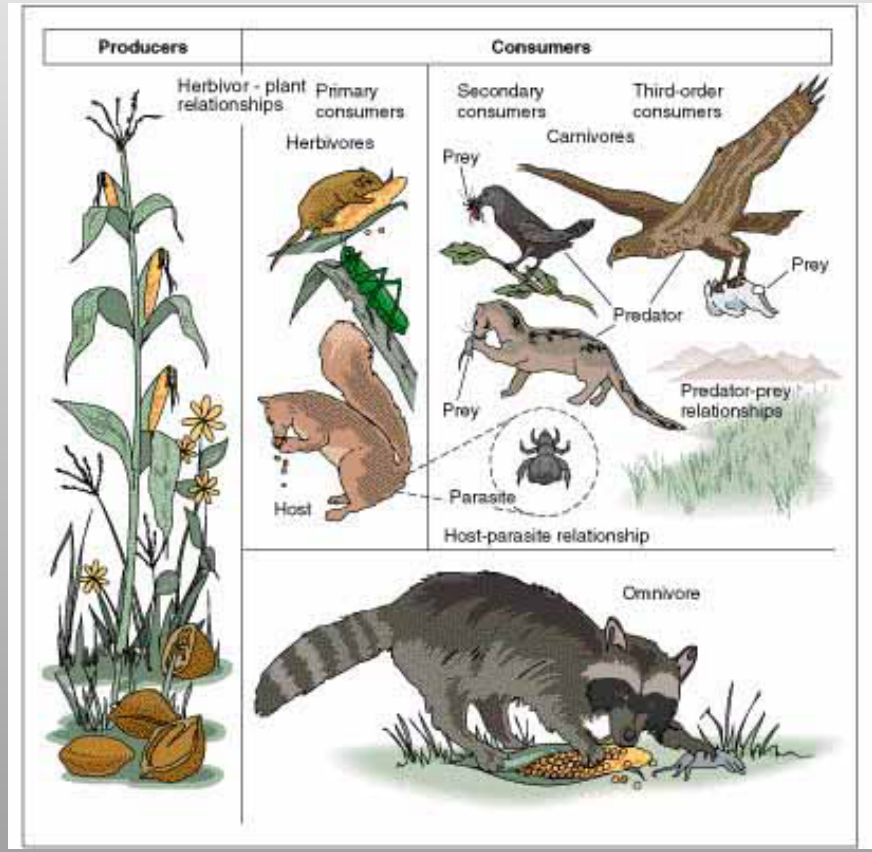
Trofičke razine u ekosistemu



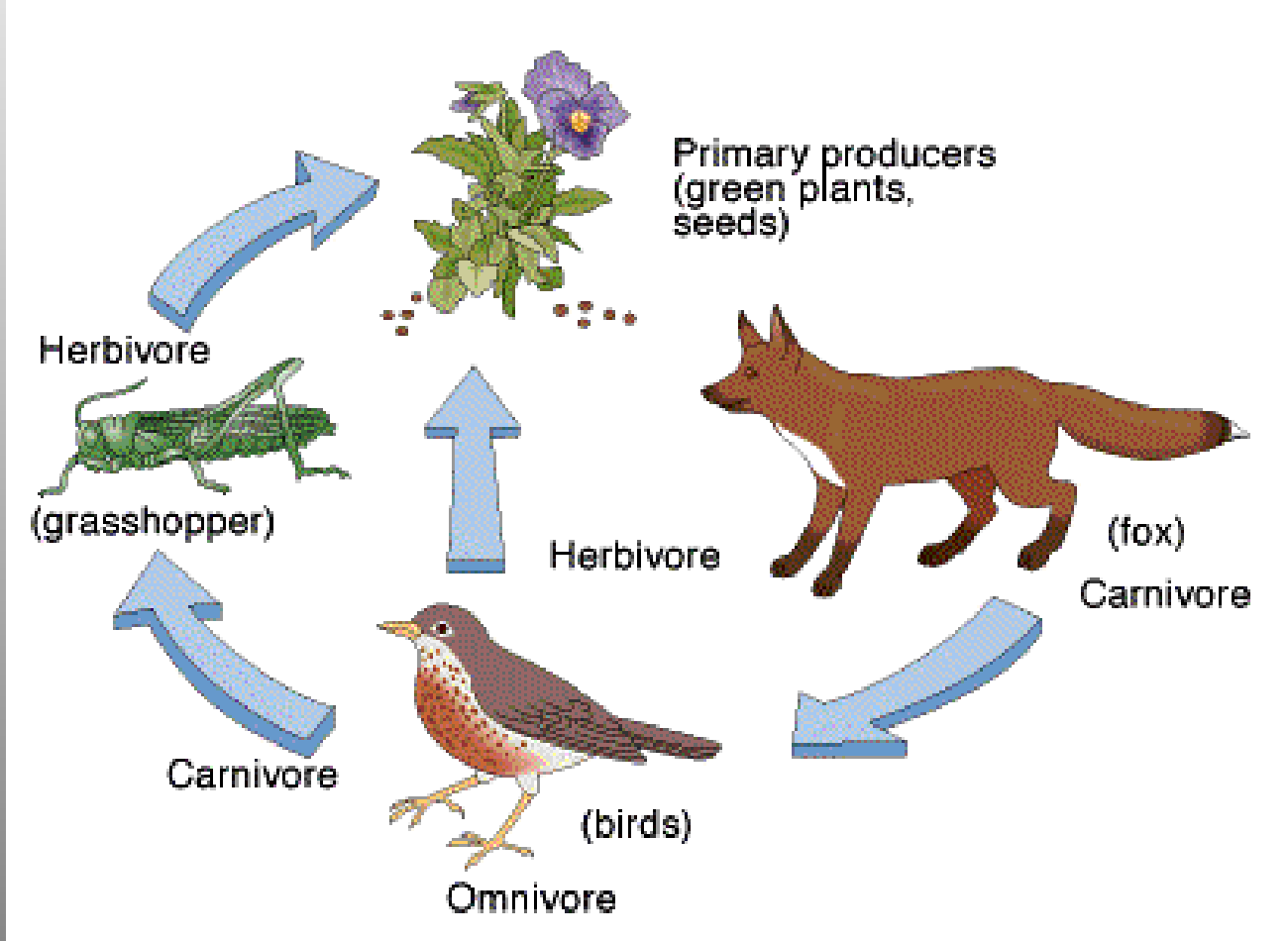


Trofičke razine u ekosistemu





Trofičke razine u ekosistemu



Trofički (hranidbeni) status organizama

NAČIN ASIMILACIJE UGLJIKA	IZVOR UGLJIKA	IZVOR ENERGIJE	DONATOR ELEKT.	ORGANIZMI
I AUTOTROFNI				
1. FOTOAUTOTROFI	CO_2	Svjetlo	H_2O	Zelene biljke
2. KEMOAUTOTROFI	CO_2	Oksidacija anorganskih supstrata	Anorganski spojevi (H_2S, NH_3, Fe^{2+},H_2)	Bakterije
II HETEROTROFNI				
3. OSMOTROFI	DOM	Oksidacija organskih spojeva (Disimilacija)	Disimilacija	Bakterije
4. FAGOTROFI	POM	Disimilacija	Disimilacija	Životinje

Pregled trofičkih kategorija unutar bioloških carstava

Trophic diversity across the biological kingdoms.

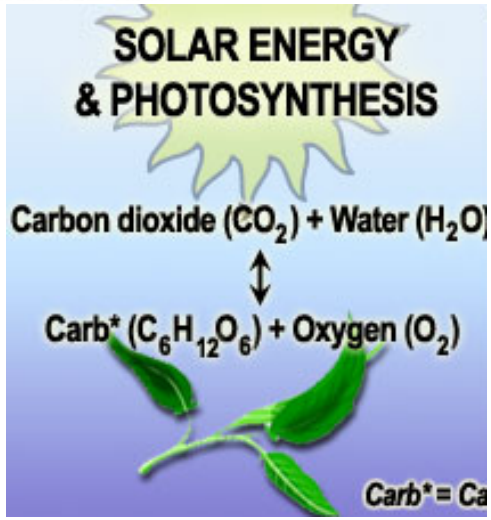
	Heterotrophic	Photosynthetic	Chemosynthetic
Bacteria	●	●	●
Protists	●	●	
Plants	●	●	
Fungi	●		
Animals	●		

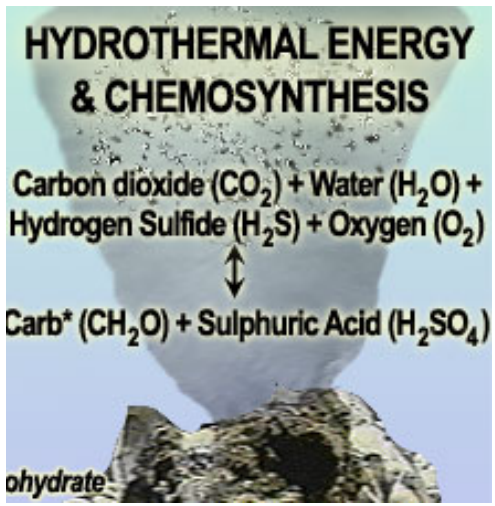
Bacteria draw on a greater variety of energy sources than any other group of organisms.

Protists include many heterotrophic and photosynthetic species.

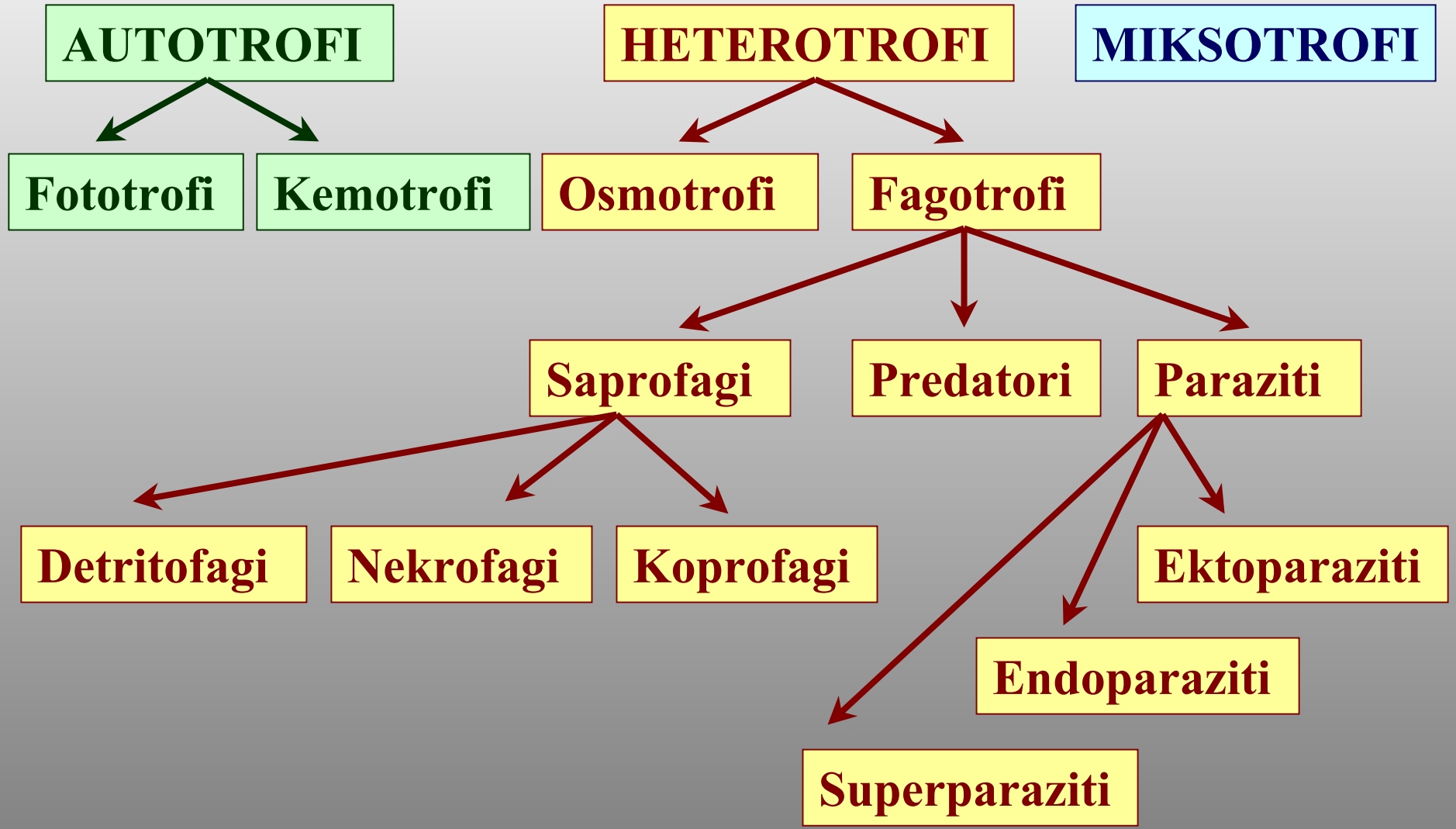
Plants are mainly photosynthetic, with a few heterotrophic species.

Fungi and animals are all heterotrophic.





PREGLED TROFIČKIH KATEGORIJA



KOPROFAGI – KONZUMENTI FECESA

Balegar sakuplja feces u kojega polaže jaja. Ličinka koja se izvali iz jaja hrani se fecesom.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Balegar