

Species Cheat Sheet by Becky B (Beckyb9) via cheatography.com/141887/cs/30490/

Biological Species

A group of interbreeding natural population that do not (usually) successfully mate or reproduce with other such groups (which occupy a specific niche)

Asexual Species

Fragme-	An arm is removed, and grows
ntation -	into a new Starfish. Where the
Starfish	arm that was removed, a new
	arm will regrow on the old
	body.

Budding - Buds come off of their

Yeast organisms which, are genetically identical to them.

When relatives mate

Two	Horse +	Russet-backed
different,	Donkey =	Thrush + Olived-
yet	Mules	backed Thrush
closely	(mostly	(fertile offspring)
relating	infertile)	
species		
mate		

Cohesion Species

Small group of cohesive individuals that share intrinsic cohesive mechanisms.

Genetic Gene flow and stabilising cohesive selection function to mechanisms maintain species integrity

Cohesion Species (cont)

Ecological	Abundance, demogr-
cohesive	aphic stability, strengths
mechanisms	of interactions with
	other species
Potential for	Downplays hybrid-
genetic and/or	isation (i.e. what
demographic	separates species)
exchangeability.	

Ecological Species

Lineages that occupy and adaptive zone different in some way from that of any other lineage within its range, and which evoles separately from all other lineages outside its range

Common ancestor but now diverged Ecological competition within its own species

Adapting to individual niches

Recognition Species

Recognise

Females would not recognise him as the same speices. They may not mate with him.
Look very similar but have a different song. They do not breed as their distinct song prevents them from recognising each other.

Linked to features used to

The sixth mass extinction

Earth	Extinction is occurring faster
appears to	than "background extintion"
be	(which occurs between the
undergoing	mass extinction events)
a 6 th mass	
extintion	
1 species	Rate of between 10-10,000
extinct per 1	times faster than
million	background extinction
species	
each year	

Recent data

Lower	200-2000 species a year
estimate	
Upper	10,000-100,000 species a
estimate	year

Extinction comes after

size	
poppulation	distribution
Decrease in	Decrease in population

Hard to know.

known or

We don't kno	w how many species exist
Impossible to estimate	>Take samples and extrap- olate up >Look at patterns in identication rates >Look at ratio - such as 1:6 vascular
	plants to fungi
Bias	>Charismatic >Larger
towards	>Common species

towards	>Common species
species	
Least	>Fungi >Viruses >Bacteri

described	
1.5 million	100k well known
catalogued	
so far	

Eastimated to be 3-10 million species **globally**

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By **Becky B** (Beckyb9) cheatography.com/beckyb9/

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Anthropogenic causes

Anthropogenic hazards are hazards caused by human action or inaction. They are contrasted with natural hazards. Anthropogenic hazards may adversely affect humans, other organisms, biomes, and ecosystems.

land is altering the landscape in any
develonumber of ways such as:

Changing landforms from a
natural or semi-natural state for
a purpose such as agriculture or
housing Subdividing real estate

overex- the action or fact of making
plo- excessive use of a resource.
itation

Species Translocation: The intentional

Species Translocation: The intentional translocations and release of animals to the wild to establish, reestand blish, or augment a population.

pollution the presence in or introduction into the environment of a substance which has harmful or poisonous effects.



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