



Classification

Biological Species
Concept

Bionomial Naming System

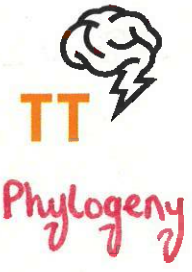
Taxonomy



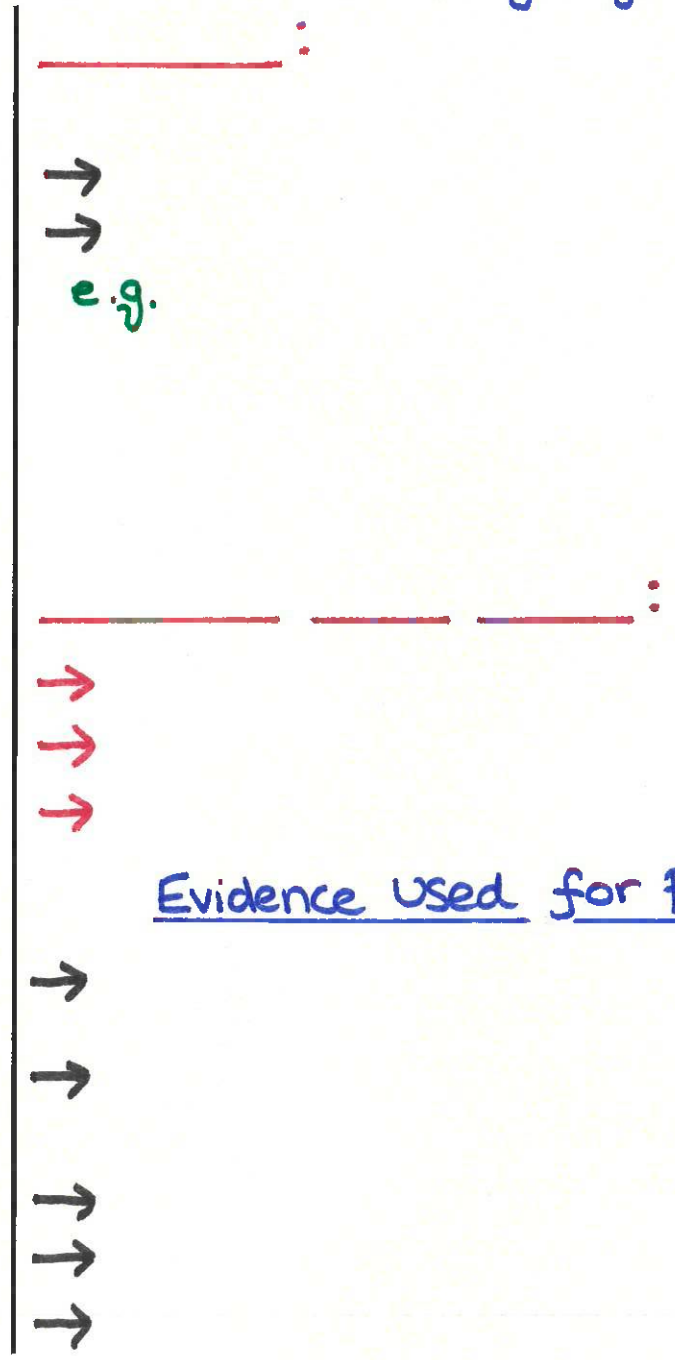
Phylogeny



Domains



Phylogeny



Phylogenetic
Species
Concept

Evidence Used for Phylogeny



Features of The Five Kingdoms

1 2 3 4 5

Feature	P	P	F	P	A
Example					
Cell Type					
Body Organisation					
Cell wall					
Type of nutrition					
Membrane bound organelles					



Evidence for Evolution





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Genetic Diversity & Adaptation

1 2 3 4 5

Genetic
Diversity

Natural
Selection

_____ :



Evolution



Natural Selection



1)

2)

3)



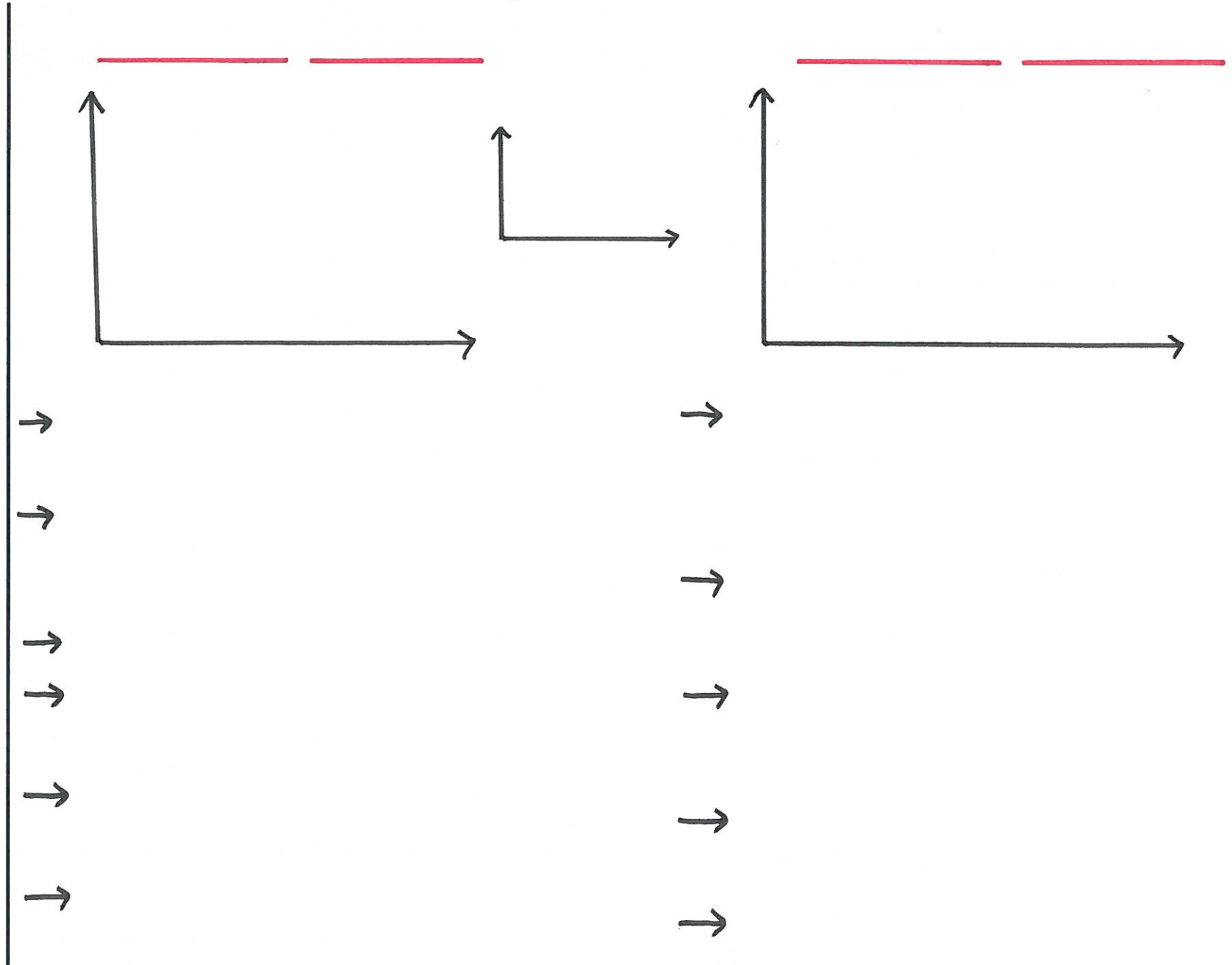
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Directional & Stabilising Selection

1 2 3 4 5

Directional
Selection

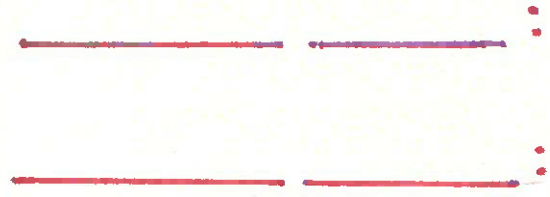
Stabilising
Selection





Variation

IntraSpecific
Variation



Interspecific
Variation



Continuous
Variation



Genetic Causes

Environmental Causes

Both



Discontinuous
Variation



e.g.

e.g.

e.g.





Convergent Evolution

Convergent Evolution

- 1
- 2
- 3
- 4
- 5



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Evolution of Resistance

- 1
- 2
- 3
- 4
- 5

