A4.2 Conservation of biodiversity

What the Cell · DP Biology · note-taking sheet · SL statements A4.2.1–8

Name _____ **Date** _____

How to use this sheet: go through the slides and videos with it, then close them and write from memory. Use your own words and add page numbers from the book (pp. 156–180) where you want more detail.

Guiding questions. What is driving the sixth mass extinction? What can conservationists do to reduce the loss of biodiversity?

A4.2.1 Biodiversity

Level	Meaning
Ecosystem	
Species	
Genetic	

Distinguish richness and evenness. Write the formula for Simpson's reciprocal index.

A4.2.2 Past and present

How does biodiversity today compare with the past? Why are past values uncertain?

A4.2.3 Extinction case studies

Species	Where	Human causes
Moa		
Caribbean monk seal		
Your local example		

A4.2.4 Ecosystem loss case studies

Ecosystem	Causes	Consequences
Mixed dipterocarp forest		
Local example		

A4.2.5–6 The crisis

List three types of evidence for a biodiversity crisis, then list the overarching cause and five specific causes.

A4.2.7 Conservation

	In situ	Ex situ
Two examples		
One strength		
One weakness		

A4.2.8 EDGE

What do the letters stand for? Why does this approach make sense when funds are limited?

Before you finish

Tick the ones you can explain without notes. Circle anything to ask about.

☐ Three levels
☐ Simpson's index
☐ Past levels
☐ Extinction cases
☐ Ecosystem cases
☐ Evidence
☐ Causes
☐ In situ and ex situ
☐ Rewilding
☐ EDGE