A3.1 Diversity of organisms (HL)

What the Cell · DP Biology · note-taking sheet · HL statements A3.1.12–15

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. 118–124) where you want more detail.

Guiding questions. What is a species? What patterns of genome diversity appear within and between species?

A3.1.12–13 Limits of the species concept; chromosome number

Asexual organisms. Horizontal gene transfer in bacteria. Why hybrids such as mules are usually sterile.

A3.1.14 A key for local species

Write the first three couplets of your group's key.

A3.1.15 eDNA and barcodes

The steps from sample to species list. Two strengths and two limitations.

Before you finish

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

- ☐ Biological species concept
- ☐ Asexual species
- ☐ Horizontal gene transfer
- ☐ Chromosome number
- ☐ Hybrids
- ☐ Dichotomous keys
- ☐ eDNA
- ☐ Barcodes
