D4.3 Climate change (HL)

What the Cell · DP Biology · note-taking sheet · HL statements D4.3.9–12

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. 834–837) where you want more detail.

Guiding questions. What is driving climate change? How does climate change affect ecosystems?

D4.3.9–10 Phenology and loss of synchrony

What phenology is. Photoperiod and temperature as cues. The reindeer and great tit examples.

D4.3.11 Insect life cycles

Why spruce bark beetles have more generations, and what follows.

D4.3.12 Evolution

Tawny owl colour and Scots pine bud set: variation, selection, change in allele frequency.

Before you finish

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

- ☐ Phenology
- ☐ Photoperiod and temperature
- ☐ Reindeer
- ☐ Great tits
- ☐ Bark beetles
- ☐ Tawny owls
- ☐ Scots pine