C3.1 Integration (HL)

What the Cell · DP Biology · note-taking sheet · HL statements C3.1.17–23

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. 509–517) where you want more detail.

Guiding questions. What do nerves and hormones each do to coordinate body systems? How does feedback help to control body systems?

C3.1.17–18 Tropisms and phototropism

Draw seedlings lit from above and from one side. Show where auxin goes and which cells grow most.

C3.1.19–21 Phytohormones, efflux carriers and acid growth

Name four phytohormones and an effect of each. How efflux carriers move auxin. The steps of acid growth.

C3.1.22–23 Auxin with cytokinin; ethylene

How roots and shoots signal to each other. The positive feedback loop in ripening, and why it helps.

Before you finish

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

- ☐ Tropism
- ☐ Measuring curvature
- ☐ Phototropism
- ☐ Phytohormones
- ☐ Efflux carriers
- ☐ Acid growth
- ☐ Auxin and cytokinin
- ☐ Ethylene feedback