

Year 11 Learning Journey Biology

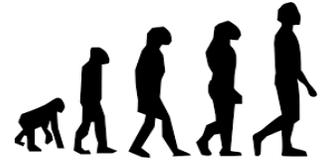


Final Exam Preparation

B7 Ecology

1. Adaptation, competition, biotic and abiotic factors
2. Levels of organisation, trophic levels, **pyramids of biomass and transfer of energy (SS Biology)**
3. Decomposition, material recycling
4. Biodiversity, waste management, deforestation, global warming
5. **Food production and sustainability, farming techniques, sustainable fishing, biotechnology (SS Biology)**

End of Topic Assessment



YEAR
11

B5 Homeostasis
and response

1. Homeostasis and negative feedback
2. Human nervous system: structure and function
3. RP: Plan and carry out an investigation into the effect of a factor on human reaction time
4. Hormonal control in humans: Human endocrine system
5. Control of blood glucose concentration
6. Hormones in human reproduction
7. Contraception and fertility treatment
8. **Maintaining water balance and the kidney, ADH and kidney failure (SS Biology)**
9. **Plant hormones and uses of plant hormones (SS Biology)**
10. **RP 8: investigate the effect of light or gravity on the growth of newly germinated seedlings (SS Biology)**

End of Topic Assessment



B6 Inheritance,
variation and evolution

1. Sexual and asexual reproduction
2. Meiosis
3. DNA structure and the genome
4. Genetic inheritance, inherited disorders
5. Classification / Variation
6. Theory of evolution
7. **Speciation (SS Biology)**
8. **Evidence for evolution (SS Biology)**
9. Fossils, extinction
10. Resistant bacteria
11. Selective breeding
12. Genetic engineering, **cloning (SS Biology)**

End of Topic Assessment