

## Higher single science revision list

| <b>Biology Higher</b>  | <b>Chemistry Higher</b>  | <b>Physics Higher</b>  |
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| <ol style="list-style-type: none"><li>1. Ecology communities</li><li>2. Evolution</li><li>3. The eye structure</li><li>4. Accommodation of the eye</li><li>5. Planning an investigation to test reactions times</li><li>6. Sexual and asexual reproduction</li><li>7. Tissue culture</li><li>8. Drawing Punnett squares</li><li>9. Variables</li><li>10. Selective breeding</li><li>11. Carbon cycle</li><li>12. Nitrogen cycle</li><li>13. Decay</li><li>14. Milk decay practical</li><li>15. Calculating rate using a tangent</li><li>16. Enzymes and temperature</li><li>17. Negative feedback loops</li><li>18. Thyroxine and body temperature</li><li>19. Anti diuretic hormone changes to urine</li><li>20. Photosynthesis and respiration on carbon dioxide levels throughout the day</li><li>21. Why do scientists present data as percentages</li><li>22. Biodiversity</li><li>23. Calculating volume</li><li>24. Using graphs in calculations</li><li>25. Follicle stimulating hormones</li><li>26. Drawing a Punnett square</li><li>27. Meiosis process</li><li>28. Gamete chromosome differences</li><li>29. DNA structure and nucleotides</li><li>30. Evolution</li><li>31. Extinction</li><li>32. Evidence for evolution</li></ol> | <ol style="list-style-type: none"><li>1. Rate of reaction practical</li><li>2. Calculating a mean without anomalies</li><li>3. Alcohols and carboxylic acids</li><li>4. Plotting a graph</li><li>5. Limewater</li><li>6. Chemical analysis testing for: metal ions, halides, sulphates</li><li>7. Flame spectroscopy</li><li>8. Greenhouse gasses</li><li>9. Climate change</li><li>10. Increasing population issues</li><li>11. Calculating the percentage of an element in a compound</li><li>12. Bioleaching</li><li>13. Chromatography practical</li><li>14. Catalysis and rate of reaction</li><li>15. Calculating rate on a tangent</li><li>16. Functional groups</li><li>17. Drawing polymers</li><li>18. Calculating relative formula mass</li><li>19. DNA polymer</li><li>20. Calculating unknown masses from known amounts</li><li>21. Le Chatelier's principle</li><li>22. Dynamic equilibrium</li><li>23. Evaluating NPK fertilisers</li><li>24. Producing NPK fertilisers</li></ol> | <ol style="list-style-type: none"><li>1. Writing a method to investigate rate of radiation emission</li><li>2. The Leslie cube and black body radiation</li><li>3. Calculating force using pressure and surface area</li><li>4. Calculating displacement using a scale diagram</li><li>5. Resultant force</li><li>6. Force types</li><li>7. Velocity time graph drawing</li><li>8. Height and air pressure</li><li>9. Moments and levers</li><li>10. Momentum calculation from a graph</li><li>11. Calculating distance from a velocity time graph</li><li>12. Total stopping distance</li><li>13. Car brake temperature changes</li><li>14. Microphones</li><li>15. Included magnets</li><li>16. Calculating magnetic flux density</li><li>17. Comparing peoples hearing from a graph</li><li>18. Closed system</li><li>19. Newtons laws</li><li>20. Collisions and safety</li><li>21. Calculating initial velocity using distance</li><li>22. Calculating frequency</li><li>23. Red shift</li><li>24. Orbit patterns</li><li>25. Types of reflection</li><li>26. Reflection practical</li><li>27. Refraction</li><li>28. Wavefront diagrams and refraction</li><li>29. Step up and down transformers</li><li>30. Dynamos and electromagnetic induction</li></ol> |