B6 Revision

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| Describe how parts of bacteria cells relate to their function* Flagellum
* Cell Wall
* DNA
 | Describe the main shapes of bacteria:*
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| Why can bacteria survive in a lot of places?*
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 | What are the consequences of rapid bacterial reproduction in terms of food spoilage? |
| How do bacteria reproduce? | Describe aseptic technique |
| Label a yeast cell | Describe how yeast growth rate can be increased |
| Describe the structure of a virus | Explain how a virus reproduces |

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| Describe how diseases can be transmitted*
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 | Describe the stages of an infectious disease*
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| Explain why natural disasters cause a rapid spread of disease | State the work of the following scientists* Pasteur
* Lister
* Fleming
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| Define aseptic | Define antibiotic |
| Explain how bacteria become resistant to antibiotics | How can we prevent the spread of antibiotic resistance |

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| Describe the main stages of yoghurt making*
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 | Describe the main stages of brewing*
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| Describe the role of *Lactobacillus* in yoghurt making | Balanced chemical equation for fermentation |
| Define pasteurisation | Describe the process of distillation |
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| Describe methods of transferring energy from biomass | Burning of biofuels do not cause a net increase in greenhouse gases if: |
| Describe advantages of using biofuels | In some areas growing biofuels has resulted in a negative impact: |
| Biogas is made up of: | Uses of biogas: |
| Define gasohol | How can methane be produced on a large scale |

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| Describe the difference between sandy soil and clay soil | Explain how particle size effects air content in soil: |
| Define loam | Define humus |
| Explain the importance of humus | Explain the role of earthworms in soil fertility |

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| Explain the advantages of life in water: | Explain the disadvantages of life in water: |
| Describe the use of contractile vacuoles in amoeba: | What 3 factors effect photosynthesis in phytoplankton? |
| Define the term marine snow | Define the term indicator species  |
| Explain the stages of eutrophication | Define bioaccumulationDescribe the effects of DDT and PCBs |

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| Describe the role of enzymes in biological washing powders* Amylase
* Lipase
* Protease
 | Explain how foods are sweetened using invertase |
| Why do biological washing powders work best at moderate temperatures | Why do products of biological washing powders wash easily out of clothes? |
| Describe how to immobilise an enzyme | Explain lactose intolerance |
| Explain the advantages of immobilising enzymes | How is lactose free milk made? |

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| Define transgenic organism | Define restriction enzyme |
| Define ligase enzyme | Define plasmid |
| Describe main stages of genetic engineering*
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 | Describe how bacteria can be genetically engineered to make human insulin*
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| Describe the stages of DNA fingerprinting*
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  | Describe the arguments for and against storing DNA fingerprints |