P4a-d Revision

|  |  |
| --- | --- |
| Define static electricity | Like chargesUnlike charges |
| Define ion | Static can be dangerous when |
| Static can be a nuisance when | You can reduce you chance of receiving an electric shock by |

|  |  |
| --- | --- |
| Explain how dust precipitators work | Explain how paint sprayers work |
| Explain how defibrillators work |  |

|  |  |
| --- | --- |
| What wires have more resistance? | Draw the triangle for the equation Resistance = voltage / current |
| Describe the relationship between current, voltage and resistance | Describe the functions of the 3 wires in a plug |
| How does a fuse reduce the risk of fire? | Explain how the combination of a wire fuse and earthing protects people |
| Explain why double insulated appliances don’t need an earth | Draw the triangle for the equation Power = voltage x current |

|  |  |
| --- | --- |
| Define the term wavelength | Define the term frequency |
| Define the term compression | Define the term rarefaction |
| Define the term amplitude | Give examples of how ultrasound if used |
| Explain the advantages of ultrasound over x ray |  |