Level 2 Electrical Revision

Component - Alternator

* State the main components that make up an alternator
* State the function of an alternator
* State the function of the following in regards to an alternator
  + Rectifier pack
  + Voltage regulator
  + Brushes
  + Heat sink
* How would you test an alternator is charging the battery
* An alternator convert energy to energy

Component – Battery

1. What is the fluid inside a car battery more commonly known as

1. What is the above answer made up of

1. What gas is given off from a battery on charge

1. Why must care be taken when removing a battery from a bench charger

1. State the correct sequence for removing and replacing battery terminals on a light vehicle.

1. State 2 functions of an alternator.

1. State the component/s that convert an alternator output current from AC current to DC current

1. What base surface is most suitable and safe to use on battery service stations

1. Resistance in an electrical circuit is measured by using what meter.

1. What equipment would you use to measure the battery acid strength on a battery

1. What is meant by the term “earth return” in regards to an electrical circuit.

1. State the specific gravity found in the following state of battery charge

Fully charged

Half charged

Fully discharged

1. Name 2 types of belt found to drive an alternator pulley

1. How many cells does a 12v battery have.

Component – Starter Motor

Present a one sided handout explaining the function and components that make up the starter motor. Use the general design given to you on the battery and alternator as a template.