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| UNIT REF: L1AM15 | | LEARNER SUPPORT MATERIAL TASK SHEET:  **UNIT TITLE: ELECTRICAL FOUNDATION SKILLS** | | | | |
| **Learner Name:** | | | | **Date of Task:** | | |
| **KNOWLEDGE QUESTIONS** | | | | | | |
| **Question Number** | **Question** | | | | **AC** | **Marks Awarded** |
| 1. | Identify the components in the images below, state their use and outline which electrical principle applies to each component. **(24 marks)** | | | | AC1.1, 1.2 |  |
| A  http://www.londonessexautoelectrics.co.uk/repair-alternator.png | | | **Name:**  **Used to:**  **Component operating principles:** | | | |
| B  http://i.ebayimg.com/images/i/400468152815-0-1/s-l1000.jpg | | | **Name:**  **Used to:**  **Component operating principles:** | | | |
| C  http://mobile.yourrepairshoponline.com/wp-content/uploads/2014/11/Car-Battery.jpg | | | **Name:**  **Used to:**  **Component operating principles:** | | | |
| D  http://images.esellerpro.com/3438/I/31/Starter_Motor.jpg | | | **Name:**  **Used to:**  **Component operating principles:** | | | |

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| **Question Number** | **Question** | | **AC** | **Marks Awarded** |
| 2. | State 4 main electrical units of measurement **(8 marks)** | | AC1.3 |  |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
|  | | | | |
| 3. | Identify the two types of electrical circuits below **(4 marks)** | | AC1.2 |  |
| SERIES RESISTOR CIRCUIT | | Parallel resistor circuit | | |
| A. | | B. | | |
|  | | | | |
| 4. | Identify the electrical symbols in the images below **(14 marks)** | | AC1.4 |  |
| A  A picture containing text, clock  Description automatically generated | |  | | |
| B  A blue rectangle with black text  Description automatically generated with medium confidence | |  | | |
| C  A picture containing text, clipart  Description automatically generated | |  | | |
| D | |  | | |
| E | |  | | |
| F  Rectangle  Description automatically generated | |  | | |
| G  A picture containing text  Description automatically generated | |  | | |