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| Student Name: |  | | |  | | |
| **Content/Scientific Merit** | **Acceptable Performance** | | | **Unacceptable Performance** | | |
|  | **Excellent (4)** | **Good (3)** | **Average (2)** | **Requires major improvement (1)** | | **Failed (0)** |
| **Basic description of a conventional car** | Accurately describes how conventional cars work. Accurately answers the questions: What fuel do they use and where it is sourced? Where is energy wasted? | Accurately describes how conventional cars work. Makes omissions when answering the questions: What fuel do they use and where it is sourced? Where is energy wasted? | Describes how conventional cars work with minor errors. Makes omissions when answering the questions: What fuel do they use and where it is sourced? Where is energy wasted? | Vaguely describes how conventional cars work and/or answers the additional questions. | | Omission or incorrect description |
| **Basic description of an electrical car** | Accurately describes how electric cars work. Accurately answers the questions: What fuel do they use and where it is sourced? Where is energy wasted? | Accurately describes how electric cars work. Makes omissions when answering the questions: What fuel do they use and where it is sourced? Where is energy wasted? | Describes how electric cars work with minor errors. Makes omissions when answering the questions: What fuel do they use and where it is sourced? Where is energy wasted? | Vaguely describes how conventional cars work and/or answers the additional questions. | | Omission or incorrect description |
| **Energy transformation diagram for conventional car** | Diagrams accurately shows how energy moves and changes form in a conventional car. All of the energy forms are labelled correctly. | Diagrams shows how energy moves and changes form in a conventional car with decent accuracy. Labelling of energy has 1 or 2 errors. | Diagram shows how the energy moves and changes form in a conventional car. Labelling of energy has 3 or 4 errors. | Diagram is extremely vague or confusing, or contain major errors or omissions. | | Diagram is missing or incorrect |
| **Energy transformation diagram for electrical car** | Diagrams accurately shows how energy moves and changes form in an electric car. All of the energy forms are labelled correctly. | Diagrams shows how energy moves and changes form in a conventional car with decent accuracy. Labelling of energy has 1 or 2 errors. | Diagram shows how the energy moves and changes form in a conventional car. Labelling of energy has 3 or 4 errors. | Diagram is extremely vague or confusing, or contain major errors or omissions. | | Diagram is missing or incorrect |
| **Comparison of environmental impact** | Accurately compares impact of producing and driving both types of vehicles and impact of fuel (sourcing and using). | Compares impact of producing and driving both types of vehicles and impact of fuel (sourcing and using). Minor omissions or errors. | Compares impact of producing and driving both types of vehicles and impact of fuel (sourcing and using). Major omission or error. | Incorrectly compares environmental impact or omits major pieces of information. | | No attempt is made OR the attempt is vague, incorrect or inappropriate |
| **Conventional: Pros and Cons** | Six reasonable pros and cons, **clearly explained**, included in presentation. | Five reasonable pros and cons, **clearly explained**, included in presentation. One omitted, incorrect or not clearly explained. | Four or three reasonable pros and cons, **clearly explained**, included in presentation. Others omitted, incorrect or not clearly explained. | Two or one reasonable pros and cons, **clearly explained**, included in presentation. Others omitted, incorrect or not clearly explained. | | No attempt is made OR the attempt is vague, incorrect or inappropriate |
| **Electrical: Pros and Cons** | Six reasonable pros and cons, **clearly explained**, included in presentation. | Five reasonable pros and cons, **clearly explained**, included in presentation. One omitted, incorrect or not clearly explained. | Four or three reasonable pros and cons, **clearly explained**, included in presentation. Others omitted, incorrect or not clearly explained. | Two or one reasonable pros and cons, **clearly explained**, included in presentation. Others omitted, incorrect or not clearly explained. | | No attempt is made OR the attempt is vague, incorrect or inappropriate |
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| **Presentation Merit** | **Acceptable Performance** | | | **Unacceptable Performance** | | |
|  | **Excellent(4)** | **Good(3)** | **Average(2)** | **Requires Major Improvement(1)** | **Failed(0)** | |
| **Appearance & Layout** | Information is presented in a logical, interesting sequence that the reader can follow. Font usage, use of colour and overall appearance of presentation is aesthetically pleasing | Minor errors in sequencing: enough to notice, but not major distraction,. Minor error and/or omission with appearance (font size/usage, colour etc) | Multiple minor errors in sequencing: enough to be noticeable and distracting to audience. Multiple minor errors and/or omissions OR a major error or omission with appearance. | Major errors in sequencing or in overall appearance | No logical sequence to presentation. Font usage, usage, colour, or overall appearance is distracting to audience. | |
| **Graphics or images** | Use of four or more graphics explains reinforces text and presentation. | Minor error and/or omission with use of graphics (missing an explanation or 3 graphics included | Multiple minor errors and/or omissions OR a major error or omission with use of graphics | Major errors with use of graphics | Graphics missing or are superfluous to presentation. | |
| **Use of English** | Correct use of English language (spelling, grammar, punctuation) throughout the presentation | Minor error and/or omission during presentation. | Multiple minor errors and/or omissions OR a major error or omission with use of graphics | Several minor mistakes OR major errors in use of English | Multiple minor errors in use of English | |
| **Language accessible to all** | Brochure explained all concepts in language that suited target audience | Brochure explained most concepts in language that suited target audience | Brochure explained some concepts in language that suited target audience | Brochure attempted to explain concepts in language that suited target audience | Brochure did not attempt to explain concepts in language that suited target audience | |