Topic 3: Write a report outlining the advantages and/or disadvantages of electric cars. Make recommendations to the government to encourage quick uptake of the technology.

**Helmers, E., & Weiss, M. H. (2017). Advances and critical aspects in the life-cycle assessment of battery electric cars. *Energy and emission control technologies*, *5*, 1–18.**[**https://doi.org/10.2147/eect.s60408**](https://doi.org/10.2147/eect.s60408)

The article develops about what kinds of trends and challenges influence life-cycle assessment (LCA). First of all, in this article, the author uses the flowcharts to display clearly the definition of goal scope as well as advances and critical aspects in the LCA of battery electric cars. On the other hand, the short background knowledge, which mentioned the past and the future trend, also be provided before methods and results about LCA. The main limitation for the article is that the development focus on influence of LCA, so the work is relevant to gain information about electric cars achieve eco-friendly in the near future.

**Jones, S. (2019). If electric cars are the answer, what was the question? *British medical bulletin*, *129*(1), 13–23.**[**https://doi.org/10.1093/bmb/ldy044**](https://doi.org/10.1093/bmb/ldy044)

The article describes some happened problems reletting people can be resolved by electric cars. With the growth of movement needed, the mass car resulted more and more problems which have serious damage to human’s health directly in the different aspects. Therefore, the author explodes the advantages and disadvantages in replacing mass cars by electric cars. The limitation in the article is that lack of tables and figures to compare between specific data and dates. However, it is useful to develop the benefits of using electric cars in the big city and agricultural region, because the author also discusses about it in the article.

**Martins, L. S., Guimarães, L. P., Botelho, A. B., Junior, Tenório, J. a. S., & Espinosa, D. C. R. (2021c). Electric car battery: An overview on global demand, recycling and future approaches towards sustainability. *Journal of environmental management*, *295*, 113091.**[**https://doi.org/10.1016/j.jenvman.2021.113091**](https://doi.org/10.1016/j.jenvman.2021.113091)

In this article Martins et al. review the batteries that using for electric and hybrid vehicles. The authors’ research focus on develops about the battery of electric vehicle history and future trend through seven main parts with several small parts. From the parts of history to future, the authors give a lot of figures and references to support their research although it needs to be read very carefully to all these specific data. Therefore, this article is helpful for analyse the future develop of electric car as well as environment friendly vehicle. However, it is necessary to read the data carefully.

