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

**The upsides and downsides of electric cars**

**Introduction**

To promote the technology's speedy adoption, this report has been written for analyzing the benefits and drawbacks with some suggestions to the **government**. Overview: 1. Good 2. Bad 3. Recommendation.

**Benefits**

TS: The new car type of electric car (E.V.) brings a lot of positive aspects to the society in the ways of eco-friendly, convenience, and cost of energy.

* Eco-friendly: 1.CO2↓= air pollution↓ (Helmers et al., 2016) =2. carbon footprint↓ (Helmers et al., 2016)
* Convenience: 1. +electric car-sharing system ↑ (Omega, 2018)
* Cost of energy: 1. ↓Energy of gas, hydrogen fuel. Ex: European↓ (Kern & Kigle, 2022)

**Drawbacks**

TS: E.V. also has several negative effects, including the price of the battery and the ease and security of charging.

* Battery quality: consumption/capacity(/endurance) ↓ (Evtimov et al., 2017), (Vilchez et al., 2019)
* Inconvenience of charging: setting charger in parking garages: X-comment (Guo et al., 2018), (Brandt & Glansberg, 2020)
* Charging safety: Li-ion battery: X-sustainable (Brandt & Glansberg, 2020), (Zhang et al., 2022)

**Conclusion**

Ad: environment, price, convenience; Dis & Recommendations: charging issue, battery quality, charging safety. Link: adopting the suggestions= fast population of tech.

**Recommendations**

TS: The following three suggestions have been written to the government in other to accelerate the adoption of the technology.

* Short battery life: endurance: driving time, weather: 1. regenerative elec. power (Evtimov et al., 2017) 2. ↑ Tech. of charging (Guo et al., 2018)
* Convenience of charging: place issue: creating+/ amend relative laws (Brandt & Glansberg, 2020)
* Charging safety: +EV safety warning model (Brandt & Glansberg, 2020), (Zhang et al., 2022)

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