## 1. INTRODUCTION

~~Recently,~~ The demand for biofuels has recently increased ~~are in high demand because~~ owing to ~~of~~ their environmental ~~uses~~benefits. Biofuels are ~~considered to be a good~~ better ~~alternate~~ alternatives for traditional fuels if they are ~~cost affective~~cost-effective and, can be effectively mass-produced ~~in large quantities in a continuous batch without hampering or having any negative effects on food supply , and can be effectively derived~~ from biomass ~~to reduce~~ without hampering food supply, and can reduce the cost and energy ~~needed~~ required ~~to produce feedstock~~ for biofuel production. Chemically, ~~Biodiesels~~ biodiesels are ~~chemically~~ mono-alkyl methyl esters. During esterification, ~~the~~ fatty acids sequentially separate~~s~~ from ~~the~~ glycerine ~~one by one~~ via a catalyst. Biofuels, such as ~~like~~ biodiesels, are ~~formed~~ produced when ~~a methyl alcohol~~methanol ($CH_3OH$) ~~contacts~~ binds with ~~and forms a bond with~~ a fatty acid molecule (e.g., palmitoleic acid $CH_3(CH_2)_5CH{=}CH(CH_2)_7COOH$) ~~and forms a bond~~.

Two~~2~~ major reasons ~~why~~ that prove ~~Biofuels~~ biofuels ~~offer a~~ to be better alternatives to fossil fuels are that they are economically competitive~~,~~ and can be generated on a large scale ~~from the waste of~~ by recycling the waster produced on a daily basis~~our day-to-day lives thus ensuring a recycle of waste products to~~ . These qualities of ~~productive components as also~~ biofuels also ensure the maintenance of ~~maintaining~~ a closed ~~-~~ carbon cycle.~~.~~

In this study, to ~~To~~ further identify ~~which~~ biofuels that are ~~is~~ better sources of energy and cost~~-~~effective, ~~in this study compare the current~~ presently available biofuels are compared with ~~to~~ some ~~of the~~ commonly used fossil fuels.

**Comment [A1]:** In passive voice, adverbs of manner are generally placed between the helping and main verbs.

**Comment [A2]:** Repetition of the same word or a phrase that conveys the same meaning hampers the readability of a sentence. This sentence has been edited for conciseness and to eliminate repetition of redundant information.

**Comment [A3]:** Introductory clauses are separated from the main clause using a comma.

**Comment [A4]:** A verb must agree with its subject. Herein, "fatty acids" is a plural subject; therefore, it will take a plural verb "separate."

**Comment [A5]:** The spelling has been revised to suit American English.

**Comment [A6]:** Closed is an adjective that modifies the noun "carbon cycle" here. Therefore, the incorrect usage of hyphen was deleted.

SAMPLE

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