THERMOCHEMISTRY UNIT/BIODIESEL PREPARATION QUIZ

ANSWER EACH QUESTION IN THE SPACES BELOW.

1. DESCRIBE THE TRANSESTERIFICATION REACTION THAT PRODUCES BIODIESEL. INCLUDE THE REACTANTS, PRODUCTS AND WHAT PROCEDURES ARE USED TO IMPROVE THE RATE OF REACTION.
2. FROM YOUR READING AND RESEARCH, LIST TWO ADVANTAGES AND TWO DISADVANTAGES OF USING BIODIESEL AS A FUEL. YOU MAY INCLUDE ECONOMIC, HEALTH OR ENVIRONMENTAL COMMENTS.
3. WHAT IS THE PURPOSE OF USING THE KOH IN THE REACTION BETWEEN YOUR VEGETABLE OIL AND THE METHANOL?
4. NAME AT LEAST TWO WAYS THAT THE CATAWBA COUNTY ECOCOMPLEX AND LANDFILL SITE IS BEING ENVIRONMENTALLY FRIENDLY.
5. WHAT DOES THE TERM “B-20” REPRESENT?