13. A process as in any one of Claims 1 -8, wherein said contacting is done in a riser of a fluidized catalytic cracking unit.

14. A process as in Claim 13, wherein said contacting is done at 510 to 555 degree C temperature.

15. A process as in Claim 13, wherein said contacting is done at 400 – 555 degrees C temperature.

~~16~~16. A process as in Claim 13, wherein said contacting is done for 2 – 4 seconds.

17. A process as in any of Claims 1, 4 - 6, and 8, wherein said renewable oil is algae oil that has not been processed between being extracted from algae and said contacting.

18. A process as in any one of Claims 1, 4 – 6, and 8, wherein said algae oil has been processed in a RBD process and/or a degumming process.

19. A process as in any one of Claims 1, 4 – 6, and 8, wherein said algae oil has not been processed in a RBD process and/or a degumming process.

20. A process as in any one of Claims 1, 4 – 6, and 8, wherein said algae oil has been hydrotreated prior to said contacting.

21. A process as in any one of Claims 1-20, wherein said renewable oil is 1 – 100 wt% of said feedstock.

22. A process as in any one of Claims 1 – 20, wherein said renewable oil is 1 – 20 wt% of said feedstock.

23. A process as in any one of Claims 1 – 20, wherein said renewable oil is 80 - 100 wt% of said feedstock.

24. A process as in any one of Claims 1 – 20, wherein said renewable oil is 90 - 100 wt% of said feedstock.

25. A process as in any one of Claims 1 - 20, wherein the catalyst is a gallium-doped form of one or more zeolite-alumina matrix catalysts with pore sizes having 10 oxygen atoms in the pore mouth.

26. A process as in Claim 25, wherein said catalyst is a gallium-doped form of a zeolitic catalyst selected from the group consisting of: ZSM-5, ZSM-11, ZSM-23, MCM-70, SSZ-44, SSZ-58, SSZ-35, and ZSM-22.

27. A process for producing BTEX aromatics and/or hydrogen from renewable oil, the process comprising: