

NAME: SAKA YOUSUF BAKHAWAN

MATRIX NO: 151201092016

DEPARTMENT: CHEMICAL ENGINEERING

COURSE CODE: CHE 214

1. B - electrons
2. C - electrons
3. C - solar
4. A - non-oxidizing
5. D - fossil fuel
6. C - Hydro and wind energy plants are non-polluting sources of energy
7. C - cadmium and copper
8. B - larger amount of potential energy is converted into kinetic energy
9. A - potential energy possessed by stored water is converted into electricity
10. A - flat plate collector
11. A - it is expected to increase wind power to maximum in open space
12. C - depends on wind velocity
13. C - H_2 , H_2O and O_2
14. A - return the systems back into the case
15. B - light water is used as coolant and moderator
16. B - fossil fuels, hydro power and nuclear energy
17. D - size of the drive system
18. D - size of the drive
19. D - size that can also radiates
20. polymeric material
21. B - temperature difference of different levels in the ocean
22. Estuaries and gamma rays
23. C - neutrons and gamma rays
24. D - R238 and R239
25. A - heavy water
26. A - MeV
27. B - 199MeV
28. A - direct cycle of coolant system
29. B - double coolant system of indirect cycle
30. A - lead or concrete
31. A - return the systems back into the case
32. B - ~~energy~~ fusion reactions

33. A - energy
34. A - high CO content in the gases at exit
35. D - all above
36. D - oxygen
37. D - 23
38. C - potential energy of individual nucleons
39. B - burning of fossil fuels release oxides of S and N in the atmosphere
40. A - potential energy possessed by stored water is converted into electricity
41. ~~the sun~~ A - sun
42. A - methane
43. B - oxides
44. C - the main ingredient of biogas is ethane
45. A - same atomic number and different masses