

OCHENI CHUBIYOJO GRACE
151ENG071031
PETROLEUM ENGINEERING

CHE 574 QUIZ
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1. (A) Nucleus
2. (E) Neutrons
3. (C) Solar
4. (D) (A) and (B) above
5. (B) Sun
6. (A) The sun can be taken as an inexhaustible source of energy
7. (B) Aluminium and Copper
8. (B) Larger amount of potential energy is converted into K-E.
9. (A) Potential energy possessed by stored water is converted into electricity
10. (B) Concentrating Collectors
11. (A) It is expected to harness wind power to minimum in open space
12. (C) depends on wind velocity
13. (C) NH_3 , H_2S and CO_2
14. (A) Return the neutrons back to the core
15. (D) Heavy water is used as coolant and moderator.
16. (A) Solar, wind and Biomass
17. (A) Using focusing collector or heliostats
18. (A) A typical liquid collector
19. (B) At least one free neutron
20. Leads to the formation of fissionable material
21. (C) Pressure difference at different levels in the ocean
- 22.
23. (B) Neutrons and gamma rays
24. (C) U^{235} and Pu^{239}
25. (D) Graphite
26. (A) MeV
27. (B) 199 MeV
28. (A) Direct cycle of coolant system
29. (B) Double circuit system of coolant cycle
30. (A) Lead or concrete
31. (A) Return the neutrons back into the core
32. (B) Fission reaction

- 33 (B) Energy
- 34 (A) High CO content in flue gases at exit
- 35 (D) All above
- 36 (C) Kanji
- 37 (D) 23
- 38 (C) Potential energy of individual nucleons
- 39 (B) Burning of fossil fuels release oxides of Carbon, N₂ & sulphur
- 40 (D) Water is converted into steam to produce electricity
- 41 (C) Fossil fuels
- 42 (A) Methane
- 43 (C) Glass sheet
- 44 (D) Bio-mass is a sustainable source of energy
- 45 (A) Same atomic number and diff-masses