

CH104 Practice exam 4 KEY

22. both
23. 4.49
24. 11.88
25.  $2.00 \times 10^{-5}$
26.  $7.59 \times 10^{-11}$
27. acidic
28. basic
29. B
30. 4.35
31.  $\text{Fe}^{+3}$
32.  $\text{Cl}_2$
33.  $\text{Cl}^-$
34. Fe
35.  ${}^{40}_{19}\text{K} \rightarrow {}^{40}_{20}\text{Ca} + {}^0_{-1}\text{e} + \gamma$  or  $\beta$  for e
36.  ${}^4_2\text{He}^{+2}$
37.  ${}^{14}_6\text{C}$
38.  ${}^{228}_{88}\text{Ra}$
40.  ${}^{112}_{50}\text{Sn}$
41. fission
42. fusion
43. hydrogen bomb
44. 6 mg
45. 37.1 yr
46. rad
47. roentgen
48. curie
49. thick concrete walls