Quiz 6-1 Answer Key



1. (a) electrolysis
2. chemistry
3. (a) the amount of an element transformed at each electrode is proportional to the amount of electricity
4. (b) electrolysis releases elements proportional to their equivalent weight
5. valence
6. 9
7. (b) gain three electrons
8. lodestone
9. (c) induced
10. attract
11. different
12. (a) declination
13. (c) the force of attraction between two magnetic poles is directly proportional to the product of their strength and inversely proportional to the square of the distance separating them
14. (c) electric, gravitational and magnetic forces
15. (a) a small elementary magnet in a ferromagnetic substance
16. magnetic
17. heated
18. (a) stroking the needle in the same direction with a magnet
19. (b) weakens
20. magnetic
21. motion
22. electromagnets
23. electric
24. reversed
25. Current
26. concentric
27. (a) increasing the number of turns of wire
28. relay
29. simplicity
30. compressed
31. (b) the region in which a magnet exerts its influence
32. (c) the lines of force of the magnetic field
33. (a) current electricity
34. (a) it carries an electric current
35. induction
36. *persistence*
37. *small things*
38. *character*
39. *action*
40. *sudden flight*