1. _____ has been utilized to determine the extent of brain injuries and helps to build/rebuild neural pathways in the brain as attempting to solve
Tower of Hanoi

2. Digital systems are based on the _____ number system.
binary

3. An algorithm is characterised as _____, if it terminates after executing a finite number of steps.
finiteness

4. The most general method for solving recurrences can be called _____
guess but verify

5. Methods of sorting includes but not one of the following.
ascertion sort

6. The _____ is denoted with an exclamation point and is defined as the product of the integers from 1 to n.
factorial function

7. The final value of six (6) factorial, i.e 6! = ___
720

8. If n! = n·(n-1)·(n-2)·(n-3), then 4! = ?
24

9. In the function to the analysis of a recursive algorithm, the _____ and function take on some significance, where n is the size of the problem.
constant

10. Which of these is a disadvantage of linear search
It is less efficient in the case of large-size data sets.