QUIZIZZ

NAME : _____

CLASS : _____

DS UNIT-1 TEST-1
19 Questions

DATE : _____

1. moving through a list repeatedly, swapping elements that are in the wrong order

A Bubble Sort

B Insertion Sort

C Merge Sort

D Quick Sort

2. uses two lists, one for sorted elements and one for unsorted elements.

A Bubble Sort

B Insertion Sort

C Merge Sort

D Quick Sort

3. Splits a list into individual elements, joining together in multiples of 2 until one sorted list is left

A Bubble Sort

B Insertion Sort

C Merge Sort

D Quick Sort

4. One item at a time / serially ... ...moved into correct position... ... until all items in list checked

A Bubble Sort

B Insertion Sort

C Merge Sort

D Quick Sort

?

5. •Has a consistent running time, regardless of how the items are ordered in the original list

A Bubble Sort
B Insertion Sort
C Merge Sort
D Quick Sort

6. works by selecting a 'pivot' element from the array and partitioning the other elements into two sub-arrays

A Bubble Sort
B Insertion Sort
C Merge Sort
D Quick Sort

7. •Is regarded as one of the best sorting algorithms

A Bubble Sort
B Insertion Sort
C Merge Sort
D Quick Sort

8. Take each item in turn, compare to the items in the sorted list and place it.

A Bubble Sort
B Insertion Sort
C Merge Sort
D Quick Sort

9. Which sorting algorithm needs to go through the list repeatedly?

A Bubble Sort
B Insertion Sort
C Merge Sort
D Quick Sort

10. Which sorting algorithm splits a list of items into individual lists?

A Bubble Sort
B Insertion Sort
C Merge Sort
D Quick Sort

11. May end up making many pointless comparisons

A Bubble Sort

B Insertion Sort

C Merge Sort

D Quick Sort

12. First action is to mark the first item in the list as sorted

A Bubble Sort

B Insertion Sort

C Merge Sort

D Quick Sort

13. The following lists represent 3 passes of a sorting algorithm. Which algorithm is being used to sort the list?

4 5 9 6 2 7
4 5 6 2 7 9
4 5 2 6 7 9

A Bubble Sort

B Selection Sort

C Insertion Sort

14. The following lists represent 3 passes of a sorting algorithm. Which algorithm is being used to sort the list?

4 8 6 2 5 7
4 8 6 2 5 7
4 6 8 2 5 7

A Bubble Sort

B Selection Sort

C Insertion Sort

15. The following lists represent 3 passes of a sorting algorithm. Which algorithm is being used to sort the list?

4 8 3 9 2 6
2 8 3 9 4 6
2 3 8 9 4 6

A Bubble Sort

B Selection Sort

C Insertion Sort

16. We are sorting the following list in ascending order:

1 4 2 9 3 8 5

What does the list look like after one pass of the bubble sort algorithm.

A 1 2 4 3 8 5 9

B 1 4 2 5 3 8 9

C 4 2 9 3 8 5 1

17. We are sorting the following list in ascending order:

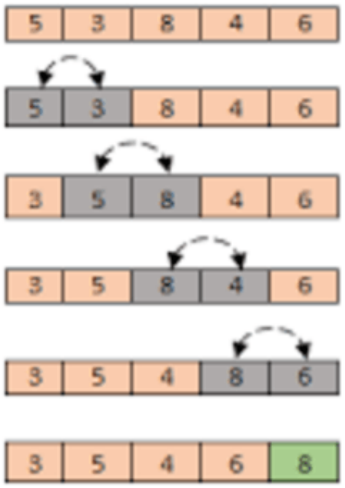
1 4 2 9 3 8 5

What does the list look like after one pass of the insertion sort algorithm.

A 1 4 2 9 3 8 5

B 4 2 9 3 8 5 1

C 4 1 2 9 3 8 5

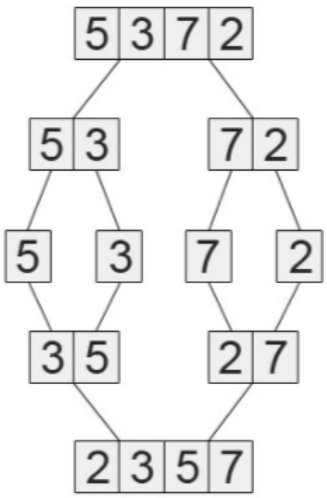
18. 

Which type of sort algorithm is this?

A Bubble

B Merge

C Insertion

19. 

Which type of sort algorithm is this?

A Bubble

B Merge

C Insertion

Answer Key

1. a	2. b	3. c	4. b
5. c	6. d	7. d	8. b
9. a	10. c	11. a	12. b

13. a	14. c	15. b	16. a
17. a	18. a	19. b	