Match the following:

1. Time Complexity	1. How long does it take to find a solution		
2. Space Complexity	2. How much memory need to perform the operation		
3. Accuracy	3. producing the correct solution		
4. Completeness	4. Is the strategy guaranteed to find the solution when there in one		
The time factor when determining the	efficiency of algorithm is measured by		
ocounting the number of statements			
counting the kilobytes of algorithm			
ocounting microseconds			
counting the number of key operations			
	efficient algorithm for an appliation. To check the ped, what are the two main factors he needs to consider?		
Complexity and capacity			
Data and space			
✓ ① Time and space			
Processor and memory			
Which of the following is the correct lis	st where we can appply Binary search algorithm.		
O Sorted linked list			
None of these options			
✓ ⑤ Sorted Array			

What is the Worst case scenario occur in linear search algorithm?

	\bigcirc	Item is the last element in the array
	\bigcirc	Item is not in the array at all
•		Item is the last element in the array or is not there at all
	\bigcirc	Item is somewhere in the middle of the array
		any number of comparisons are required in insertion sort to sort a file if the file is sorted in e order?
	O N/2	2
	O N	
	O N-1	
	■ N^	2
	The nu	mber of interchanges required to sort 6, 2, 7, 3 5 in ascending order using Bubble Sort is
	O 6	
1	5	
	O 7	
	3	
	Choose	the correct sorting algortihm wich is Efficient for smaller data sets but not for larger sets.
/	Ins	ertion Sort
	<u>Не</u>	ap Sort
	O Qu	ick Sort
	O Bu	bble Sort
	O Me	rge Sort

Match the following items with their descriptions:



The running time of quick sort depends heavily on the selection of

V		Pivot element
	\bigcirc	No of inputs
	\bigcirc	Arrangement of elements in array
	\bigcirc	Size of elements