

AP/Honors Data Structures  
Big Oh Sorting & Searching Quiz

Name –

Period –

**Selection Sort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Bubble Sort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Insertion Sort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Quick Sort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Merge Sort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Heap Sort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**RadixSort**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Sequential Search**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Binary Search**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments

**Lookup & Hash Tables**

Big O best case time - \_\_\_\_\_

Big O worst case time - \_\_\_\_\_

other characteristics or comments