

Name: _____

Period: _____

Date: _____

SEARCHING ALGORITHM WORKSHEET

ASSIGNMENT:

For each searching algorithm, you will determine its efficiency by counting the number of loop iterations it takes to fully search a list of various sizes. Graphing the results will help reveal the "Big O" efficiency of each algorithm.

FOR DATA SORTED IN ASCENDING ORDER:

Search Algorithm	Number of Elements										
	0	10	20	30	40	50	60	70	80	90	100
Linear											
Binary											

SEARCH ALGORITHM SUMMARY:

Search Algorithm	General Efficiency (Big O)	Notes
Linear		
Binary		

