Sorting Algorithm Chart

Sorting Algorithm	Big O	Recursive? (Yes/no)	Defining Characteristics	What that looks like in code
Bubble	O(n^2)	No	Swapping	temp = vec(1)
				vec(1) = vec(2)
				vec(2) = temp
Insertion	O(n^2)	No	Comparing and placing	if num $> vec(x) & num <= vec(x+1)$
	, ,		in appropriate spot	vec = [vec(1:x) num vec(x+1:end)]
			app. op. acc spec	end
Merge	O(nlogn)	Yes	Splitting in half	<pre>left = vec(1:round(end/2))</pre>
				right = vec(round(end/2)+1: end)
Quick	Worst: O(n^2)	Yes	Pivot	num = vec(1)
	Average: O(nlogn)			<pre>left = vec(vec<num)< pre=""></num)<></pre>
	,			right = vec(vec>=num)