KNOWLEDGE ORGANISER :: SORTING ALGORITHMS

KEY TERMS	
Bubble sort	Works by repeatedly going through the list to be sorted, comparing each pair of adjacent elements If the elements are in the wrong order they are swapped, else they are left in position
Insertion sort	Sorts data one element at a time The algorithm takes one data item from the list and places it in the correct location in the list This process is repeated until there are no more unsorted items in the list More efficient than bubble sort
Merge sort	This is a two-stage sort Firstly the list is split in half into sub lists repeatedly. The algorithm stops splitting the lists when each list has only 1 element in it The second stage involves repeatedly merging the lists in order until there is only one sub list remaining