Three Known Sorting Algorithms

Name: _____

Period: _____ PC #: _____

There are several known sorting algorithms and here are three of them:

`Selection Sort`: The selection sort is a combination of searching and sorting. During each pass, selection sort finds the element with the smallest value is moves it to the correct position in the array.

Insertion Sort: This technique is exactly the one used by experienced card players to sort their cards. Pick out the second card and put it in order with respect to the first; then pick out the third card and insert it into the sequence among the first two; and so on until the last card has been picked out and inserted.

Bubble Sort: Elements are sorted as they gradually "bubble" (or rise) to their proper positions, like bubbles rising in a glass of soda. The bubble sort repeatedly compares adjacent elements and swapping them when needed.

Did you discover one of these sorting algorithms or create a different one?

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Use these three methods to sort the playing cards you have. Write about your experience when using these algorithms.

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Would the method that you created completely sort any list of items?

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