KNOW THY Big-O

Fill in the Big-O notation for the two search and four sorting algorithms covered to date. Keep in mind:

*O*(1) < *O* (log *n*) < *O* (*n*) < *O* (*n* log *n*) < *O*(*n*2)

| **Type of Sort/Search** | **Best Case,**  **what condition?** | **Average Case,**  **what condition?** | **Worst Case,**  **what condition?** |
| --- | --- | --- | --- |
| Selection Sort |  |  |  |
| Insertion Sort |  |  |  |
| Merge Sort |  |  |  |
| Quick Sort |  |  |  |
| Linear Search |  |  |  |
| Binary Search |  |  |  |