

## Frequencies in Nine English Language Texts of Length Approximately 2000 Letters

| Letter | Frequency of letter, followed by rank of letter in parenthesis, in each of ten English language texts of length roughly 2000 letters (frequencies in occurrences per 10,000 letters, ranks 1 to 26 with 1 representing highest frequency) |          |          |          |          |          |          |          |          | Range of frequencies | Range of ranks |
|--------|---|----------|----------|----------|----------|----------|----------|----------|----------|----------------------|----------------|
|        | text #1   | text #2  | text #3  | text #4  | text #5  | text #6  | text #7  | text #8  | text #9  |                      |                |
| a      | 780 (4)   | 899 (2)  | 816 (4)  | 844 (3)  | 685 (4)  | 856 (3)  | 926 (2)  | 978 (2)  | 704 (5)  | 685 – 978            | 2 – 5          |
| b      | 153 (20)  | 167 (19) | 107 (21) | 110 (19) | 209 (16) | 158 (20) | 159 (20) | 214 (15) | 166 (17) | 107 – 214            | 15 – 21        |
| c      | 453 (10)  | 296 (12) | 410 (11) | 384 (11) | 259 (13) | 351 (10) | 395 (12) | 419 (10) | 306 (13) | 259 – 453            | 10 – 13        |
| d      | 414 (11)  | 409 (11) | 474 (9)  | 451 (10) | 426 (11) | 347 (11) | 413 (11) | 349 (12) | 560 (9)  | 347 – 560            | 9 – 12         |
| e      | 1243 (1)  | 1114 (1) | 1192 (1) | 1266 (1) | 1329 (1) | 1129 (1) | 1044 (1) | 1220 (1) | 1294 (1) | 1044 – 1329          | 1 – 1          |
| f      | 207 (16)  | 140 (20) | 244 (15) | 225 (15) | 277 (12) | 243 (13) | 195 (18) | 200 (17) | 240 (14) | 140 – 277            | 12 – 20        |
| g      | 202 (18)  | 226 (16) | 259 (14) | 177 (16) | 204 (17) | 228 (15) | 268 (14) | 238 (13) | 127 (20) | 127 – 268            | 13 – 20        |
| h      | 414 (11)  | 522 (10) | 391 (12) | 570 (8)  | 517 (9)  | 500 (9)  | 436 (10) | 359 (11) | 402 (10) | 359 – 570            | 8 – 12         |
| i      | 807 (3)   | 770 (4)  | 630 (7)  | 690 (6)  | 898 (3)  | 856 (3)  | 721 (5)  | 675 (7)  | 682 (7)  | 630 – 898            | 3 – 7          |
| j      | 5 (26)  | 27 (24)  | 29 (23)  | 5 (26)   | 41 (23)  | 5 (25)   | 54 (23)  | 116 (21) | 74 (23)  | 5 – 116              | 21 – 26        |
| k      | 71 (22)   | 113 (21) | 161 (19) | 24 (22)  | 77 (22)  | 45 (22)  | 118 (21) | 70 (22)  | 118 (21) | 24 – 161             | 19 – 22        |
| l      | 540 (9)   | 527 (9)  | 440 (10) | 364 (12) | 467 (10) | 332 (12) | 508 (9)  | 466 (9)  | 372 (11) | 332 – 540            | 9 – 12         |
| m      | 300 (14)  | 248 (14) | 215 (16) | 316 (13) | 231 (14) | 203 (16) | 209 (15) | 219 (14) | 219 (15) | 203 – 316            | 13 – 16        |
| n      | 605 (6)   | 759 (5)  | 738 (5)  | 810 (4)  | 635 (7)  | 807 (5)  | 708 (6)  | 801 (5)  | 660 (8)  | 605 – 810            | 4 – 8          |
| o      | 567 (8)   | 727 (6)  | 870 (2)  | 700 (5)  | 685 (4)  | 738 (6)  | 767 (4)  | 680 (6)  | 743 (3)  | 567 – 870            | 2 – 8          |
| p      | 322 (13)  | 178 (18) | 205 (17) | 173 (17) | 150 (20) | 183 (18) | 209 (15) | 140 (19) | 188 (16) | 140 – 322            | 13 – 20        |
| q      | 22 (23)   | 5 (26)   | 20 (24)  | 10 (25)  | 0 (26)   | 10 (23)  | 14 (24)  | 9 (25)   | 9 (25)   | 0 – 22               | 23 – 26        |
| r      | 600 (7)   | 565 (8)  | 601 (8)  | 484 (9)  | 590 (8)  | 658 (8)  | 522 (8)  | 489 (8)  | 686 (6)  | 484 – 686            | 6 – 9          |
| s      | 676 (5)   | 667 (7)  | 699 (6)  | 690 (6)  | 676 (6)  | 663 (7)  | 676 (7)  | 876 (3)  | 730 (4)  | 663 – 876            | 3 – 7          |
| t      | 867 (2)   | 807 (3)  | 840 (3)  | 1103 (2) | 903 (2)  | 1005 (2) | 858 (3)  | 871 (4)  | 914 (2)  | 807 – 1103           | 2 – 4          |
| u      | 251 (15)  | 258 (13) | 278 (13) | 264 (14) | 204 (17) | 233 (14) | 331 (13) | 214 (15) | 345 (12) | 204 – 345            | 12 – 17        |
| v      | 98 (21)   | 97 (22)  | 78 (22)  | 72 (21)  | 127 (21) | 84 (21)  | 86 (22)  | 70 (22)  | 83 (22)  | 70 – 127             | 21 – 22        |
| w      | 169 (19)  | 231 (15) | 171 (18) | 105 (20) | 213 (15) | 188 (17) | 163 (19) | 172 (18) | 144 (19) | 105 – 231            | 15 – 20        |
| x      | 16 (24)   | 43 (23)  | 0 (25)   | 14 (23)  | 14 (24)  | 10 (23)  | 5 (26)   | 14 (24)  | 57 (24)  | 0 – 57               | 23 – 26        |
| y      | 207 (16)  | 188 (17) | 132 (20) | 134 (18) | 177 (19) | 168 (19) | 209 (15) | 135 (20) | 166 (17) | 132 – 209            | 15 – 20        |
| z      | 11 (25)   | 16 (25)  | 0 (25)   | 14 (23)  | 5 (25)   | 0 (26)   | 9 (25)   | 5 (26)   | 9 (25)   | 0 – 16               | 23 – 26        |