

WORDS WITH JQXZ IN VARYING POSITIONS

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Here is a problem which is fairly simple to state, but which involves considerable effort to answer fully, or even nearly fully.

The subject of interest is words of two to fifteen letters in length. For each different word length, the task is to find words which have the letter J appearing in each possible position. This task is then repeated for the letters Q, X and Z. In the lists presented below, the Js (Qs, Xs and Zs) fill up the diagonals in each square of words.

All words have been taken from Webster's Second or Third Editions. In Webster's Second, the word PSEUDOANTIQUE is given in a list of adjectives without definition. If this were a noun, the word PSEUDOANTIQUES could be added to the list.

By going to other dictionaries, it is always possible to add to the lists. For example, the word EJACULATORIUM and its plural, found in The Second Barnhart Dictionary of New English (Harper & Row, 1980), fill two holes.

Can readers fill any of the gaps, or come up with better words? How about expanding the lists to encompass the remaining 22 letters of the alphabet, or at least some of them?

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|---|--|--|--|--|
| 2 | Jo J | Qs Q | Xi oX | Zo uZ |
| 3 | Joy aJo raJ | Qua Q suQ | Xat aXe taX | Zip dZo feZ |
| 4 | Jade aJar soJa hadJ | Quit aQua waQf cinQ | Xyst eXit neXt coaX | Zone cZar daZe whiZ |
| 5 | Jewel eJect enJoy ganJa kaliJ | Queen eQual piQue cinQs trinQ | Xenon eXpel boXer proXy indeX | Zebra oZone haZel blaZe waltZ |
| 6 | Jacket eJecta obJect banJos gyttJa | Quaver eQuate liQuid cliQue tariQa | Xyster eXhale luXury flaXen galaXy | Zealot aZalea ecZema bronZe frenZy |

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|----|---|---|---|---|
| | swaraJ | zindiQ | larynX | chintZ |
| 7 | Jasmine eJected enJoyed conJure lockJaw basenJi kankreJ | Quibble eQuator reQuiem parQuet antiQue zindiQs Q | Xerafin eXecute anXiety bauXite anneXed preteXt phoeniX | Zoology cZarist baZooka seiZure horizon analyZe schmalZ |
| 8 | Junction eJection adJacent misJudge flapJack turboJet alleluJa J | Quotient aQuarium acQuaint adeQuate rameQuin colloQuy Q nastaliQ | Xerantic eXchange siXpence fleXible indeXing asphyXia apopleXy smallpoX | Zucchini cZarevna laZiness marZipan frenZied protoZoa civilize schmaltZ |
| 9 | Jailhouse eJaculate reJection subJugate kiloJoule appleJack maharaJah komitadJi J | Quadruped eQuipment acQuiesce freQuency antiQuity manneQuin grotesQue nastaliQs Q | Xylophone oXidation deXterity coaXingly peroXided hydroXide flummoXed orthodoxY multipleX | Zirconium dZiggetai haZardous amaZement breeZiest protoZoon bulldoZer pluralize slivovitZ |
| 10 | Journalist eJaculated unJustness disJointed windJammer underJawed lumberJack chaparaJos castilleJa J | Questioned aQuamarine liQuidated ubiQuitous demiQuaver colloQuial tourniQuet humoresQue Q Q | Xenogamous eXtraneous seXtillion aseXuality relaXation overexPose homoseXual transfiXed heterodoXy anticlimaX | Zoological oZonometry suZerainty priZefight frenZiedly emblaZoned bambooZled chimpanZee scandalize chervonetZ |
| 11 | Jabberingly eJaculation adJournment conJectured foreJudging stockJobber gimberJawed steepleJack thingamaJig J J | Quicksilver eQuilibrium reQuisition masQuerader headQuarter conseQuence soliloQuist ribaudeQuin discotheQue Q Q | Xylophonist eXpostulate noXiousness fleXibility biseXuality antioXidant paradoXical crucifiXion directriXes unorthodoxY negotiatriX | Zealousness oZonosphere sizableness pieZometric monoZygotic realization bambooZling apologizing capitalized familiarize tchervonetZ |
| 12 | Journalistic eJaculations deJectedness conJecturing | Quicksilvery eQuestrienne unQuestioned conQuistador | Xiphisternum eXhaustingly leXicologist uneXpressive | Zygomorphous oZonospheric deZincifying dieZeugmenon |

| | | | | |
|----|---|--|---|---|
| | readJustment unpreJudiced circumJacent crackerJacks thingumaJigs J J J | unacQuainted delinQuently grotesQuerie statuesQuely ventriloQual chivalresQue Q Q | intoXication overeXposure ambideXtrous orthodoXness psychoseXual unorthodoXly tetrahydroXy archeopteryX | horiZontally paleoZoology colonization recogniZable demobilizing disorganiZed decentralize Z |
| 13 | Jurisprudence J obJectionable disJunctively coadJustments maladJustment nonproJective leatherJacket quadratoJugal jeewhilliJers J J J | Questionnaire eQuilibration seQuestrating uneQuivocally tranQuilities subseQuential propinQuities somniaLoquence grandiloQuent contramarQues sculpturesQue Q Q | Xenoparasites eXclusiveness leXicological ineXperienced obnoXiousness approXimately ambideXterity transfiXtures enterotoXemia unorthodoXies bacteriotoXic peritoneopeXy interlocutriX | Zincographers aZophosphores haZardousness epiZootoilogy schiZophrenia haphaZardness bambooZlement authorization newsmagaZines etymologizing municipalized overcriticize ballhausplatZ |
| 14 | Jurisdictional J maJesticalness conJunctivitis fideJussionary interJectional thermoJunction superinJustice microproJector duodenojeJunal countersubJect J koggeImannetJe J | Questionnaires eQuiponderance reQuisitionary sesQuisulphate diseQuilibrium unvanQuishable petrosQuamosal statuesQueness grandiloQuence versutiloQuent Q cathedralesQue Q Q | Xylogtypography eXperimentally heXtetrahedron aleXiPharmacon desoXymorphine unfleXibleness ultraeXcessive superluXurious psychoseXually unorthodoXness acetylperoXide tuberculotoXin pseudoapopleXy counterparadoX | Zoographically aZonaphthalene gaZophylaciums eliZabethanism unsiZeableness trapeZoidiform circumZenithal normalizations decimalization acclimatizable characterizing industrialized hypercriticize Z |
| 15 | Justifiableness kJeldahlization unJustifiedness preJudicialness unobJectionable antieJaculation nonproJectively underadJustment intersubJective J J J J J | Quintuplication aQuincubitalism acQuisitiveness ubiQuitarianism tranQuilization violaQuerucitrin transeQuatorial inconseQuential appropinquation pectoriloQuisms counterconQuest microtechniques corinthianesQue Q Q | Xylographically eXperimentation leXicographical uneXceptionable noneXperimental semieXplanation paradoXicalness unapproXimately psychoseXuality semiampleXicaul tetracarboXylic intercomplexity antispermotoXin costopneumopeXy cerebellocortex | Zoopsychologist cZechoslovakian deZincification rhiZoflagellate overZealousness paleoZoological sphenoZygomatic tantaliZingness unorganiZedness alphabetization unnaturalizable acetylcarbaZole photosensitizer deindustrialize Z |