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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?

| 2 | Jo | J | Q | Xi | Zo |
| 3 | Joy | Q | suQ | Xat | Xo |
| 4 | Jade | Quit | aJar | Xyst | daZe |
| 5 | Jewel | eJect | enJoy | cinQs | coaX |
| 6 | Jacket | ejecta | object | banJos | gyttJa |

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| 5 | Jewel | eJect | enJoy | cinQs | coaX |
| 6 | Jacket | ejecta | object | banJos | gyttJa |
7 Jasmine
  ejected
  enJoyed
  lockJaw
  basenJi
  KankreJ
  Q
  which
  y.
  gth.
  which
  task
  inted
  are
  Edi-
  n to
  Hal,
  luper
  ters
  swaraJ
  8 Junction
  ejection
  misJudge
  flapJack
  turboJet
  alleluJa
  Q
  Xeractic
  Zucchini
  Czarevna
  lalZiness
  marZipated
  frenaZed
  protoZoa
  ciivilize
  schma1Z
  Q
  Jake
  ejaculate
  subjugate
  appleJack
  maharakJ
  komitadJ
  Q
  Quibbled
  Azo
  et
  Co
  zo
  Quobble
  Quotient
  acQuarium
  adeQuate
  rameQuin
  colloQuy
  nasCaliQ
  Xylophone
  Zirconium
  dZiggetai
  haZardous
  amaZement
  breeZiest
  protoZoon
  builloZer
  pluralize
  siivovitZ
  J
  9 Jailhouse
  reJection
  subjugate
  appleJack
  maharakJ
 komitadJ
  Q
  Xerantic
  Zucchini
  Czarevna
  lalZiness
  marZipated
  frenaZed
  protoZoa
  ciivilize
  schma1Z
  Q
  10 Journalist
  ejaculation
  disJointed
  windJammer
  underJawed
  chaparaJos
  castilleJa
  Q
  Xerantic
  Zucchini
  Czarevna
  lalZiness
  marZipated
  frenaZed
  protoZoa
  ciivilize
  schma1Z
  J
  11 Jabberingly
  ejaculated
  disJointed
  windJammer
  underJawed
  chaparaJos
  castilleJa
  Q
  Xerantic
  Zucchini
  Czarevna
  lalZiness
  marZitated
  frenaZed
  protoZoa
  ciivilize
  schma1Z
  Q
  12 Journalistic
  ejaculations
  deJectedness
  conJecturing
  Q
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  Zucchini
  Czarevna
  lalZiness
  marZipated
  frenaZed
  protoZoa
  ciivilize
  schma1Z
  Q
 