

Chemistry
Worksheet on Electron Configurations
(Abbreviated)

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| <u>Name</u> |
| <u>Date</u> |

1) Write the electron configurations in abbreviated form

a) Hg

b) Na

c) U

d) In

e) N

f) Fe^{+3}

g) S^{-1}

2) Write the atom that has the abbreviated electron configuration

a) $[\text{Xe}] 6s^2, 4f^{11}$

b) $[\text{Ne}] 3s^2, 3p^1$

c) $[\text{Rn}] 7s^2, 5f^{14}, 6d^4$

d) $[\text{Kr}] 5s^2, 4d^9$

e) $[\text{He}] 2s^2$

f) $[\text{Ar}] 4s^2, 3d^3$

g) $[\text{Ne}] 3s^2, 3p^5$