



Clicker Question

Which of the following (a-c) does **not** correctly match the species with the expected electron configuration?

- a) A ground state calcium atom $[\text{Ar}] 4s^2$
- b) The most stable ion for bromine $[\text{Ar}] 4s^2 3d^{10} 4p^6$
- c) An excited state of sulfur $[\text{Ne}] 3s^2 3p^3 4s^1$
- d) At least two of the above (a-c) are **incorrectly** matched.
- e) All of the above (a-c) are **correctly** matched.