

Pseudo-Noble Gas Configurations

(Honors Chemistry)

Write the electron configuration for each ion and then circle the one that is pseudo-stable?

1.	Hg ⁺	[Xe]6s ¹ 4f ¹⁴ 5d ¹⁰
	Cu ⁺	[Ar]3d ¹⁰
2.	Fe ³⁺	[Ar]3d ⁵
	Cd ²⁺	[Kr]4d ¹⁰
3.	Ag ⁺	[Kr]4d ¹⁰
	Ni ²⁺	[Ar]3d ⁸
4.	Zn ²⁺	[Ar]3d ¹⁰
	Co ²⁺	[Ar]3d ⁷
5.	Mn ²⁺	[Ar]3d ⁵
	Hg ²⁺	[Xe]4f ¹⁴ 5d ¹⁰
6.	Mo ²⁺	[Kr]4d ⁴
	Cu ⁺	[Ar]3d ¹⁰
7.	Au ⁺	[Xe]4f ¹⁴ 5d ¹⁰
	Cr ³⁺	[Ar]3d ³