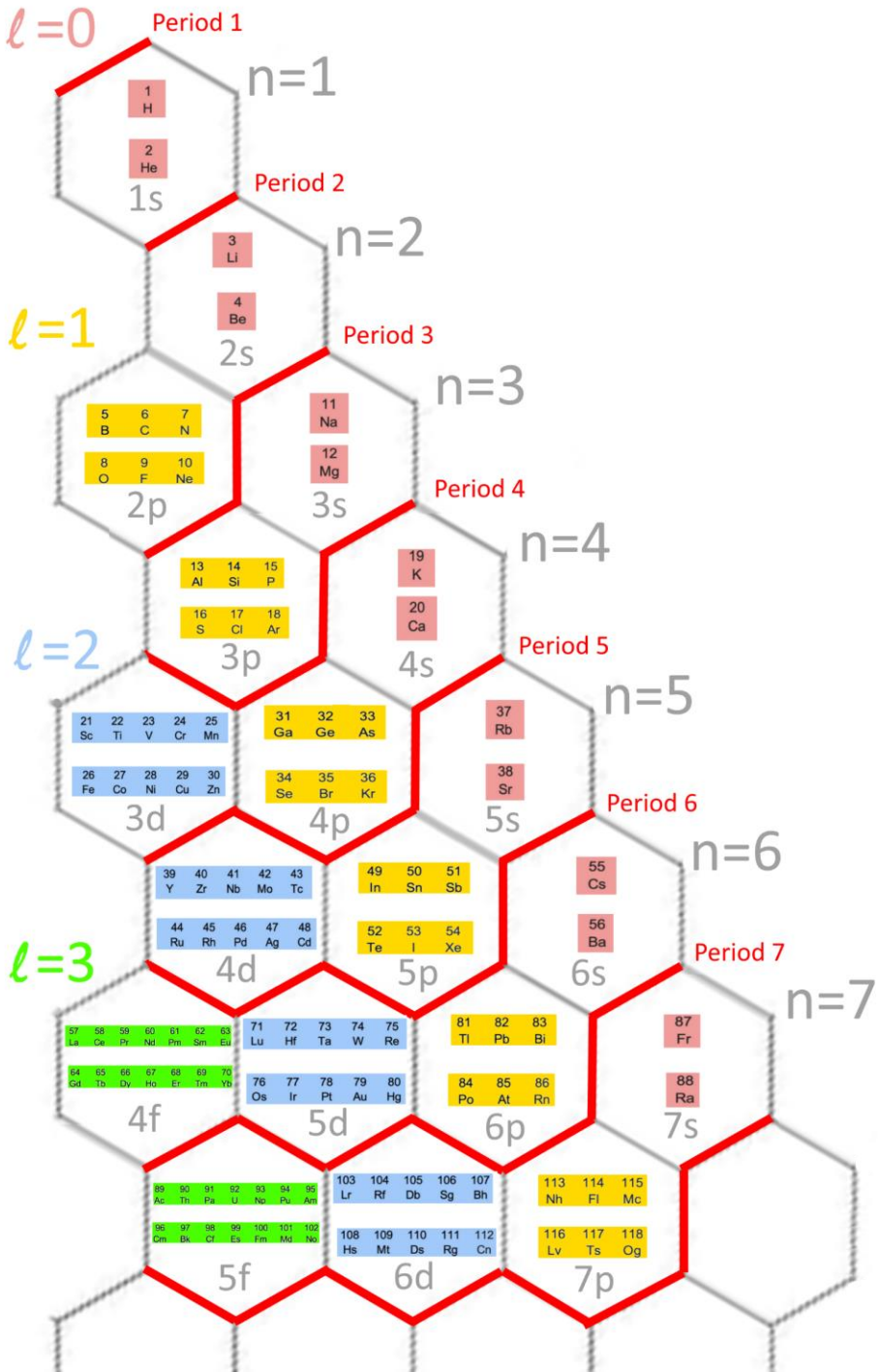
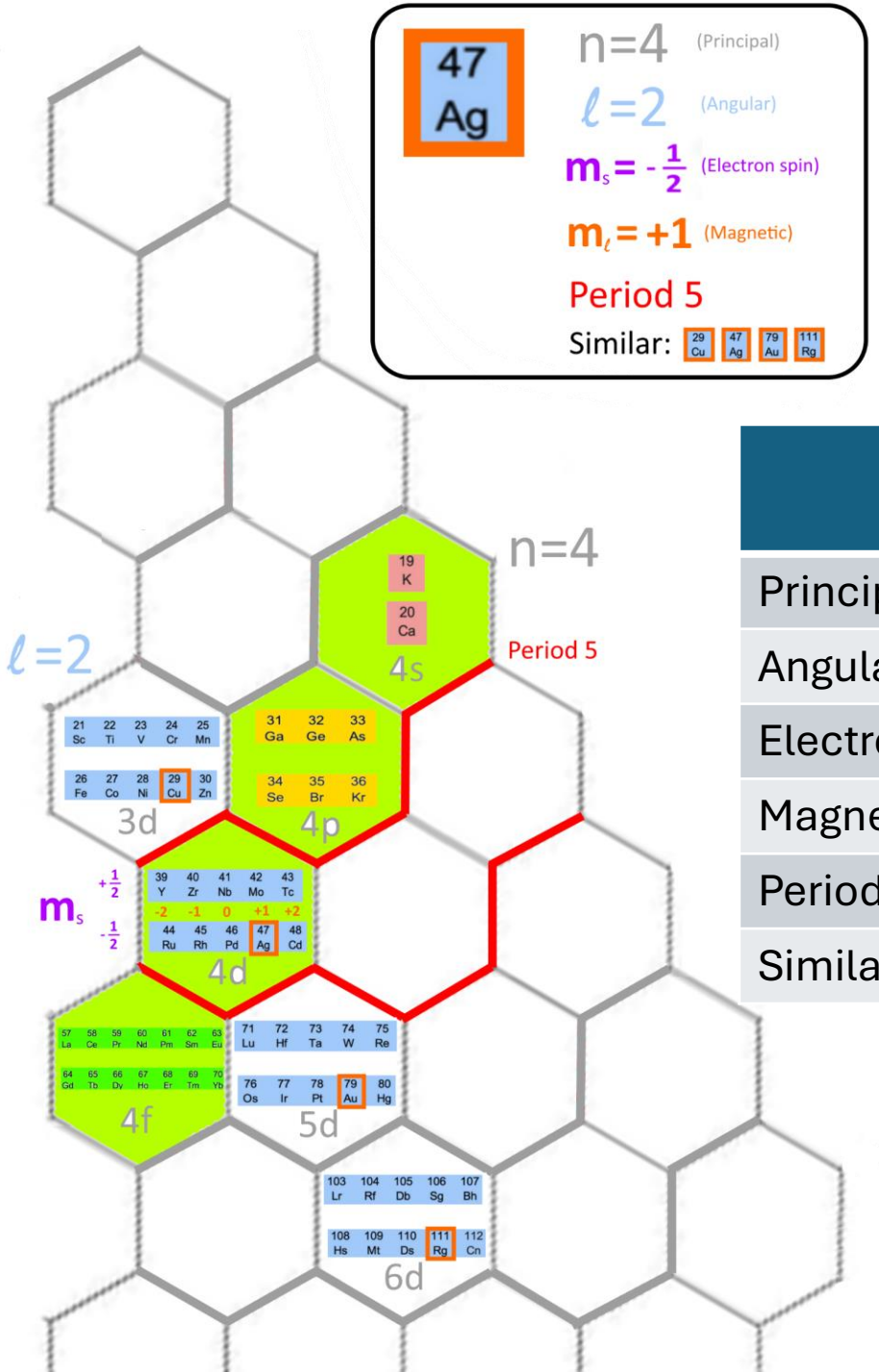
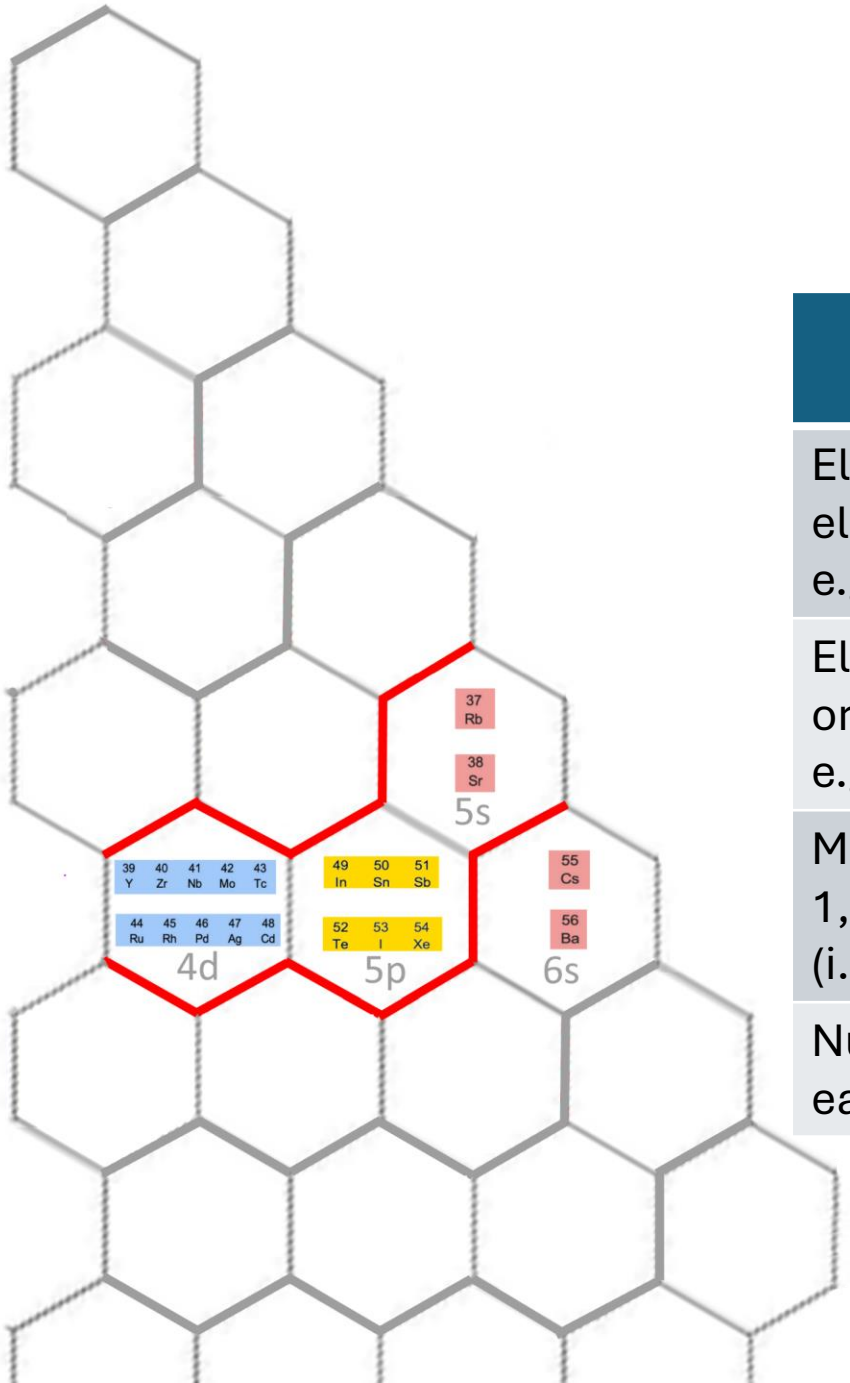


HexaFrame periodic table



Pro: Coordinates can determine quantum numbers (QNs) easily

	Determine using Existing table	Determine using New table
Principal QN: n	Less intuitive	Easy
Angular QN: l	Easy	Easy
Electron spin QN: m_s	Less intuitive	Easy
Magnetic QN: m_l	Difficult	Easy
Period	Easy	Easy
Similar elements	Easy	Easy

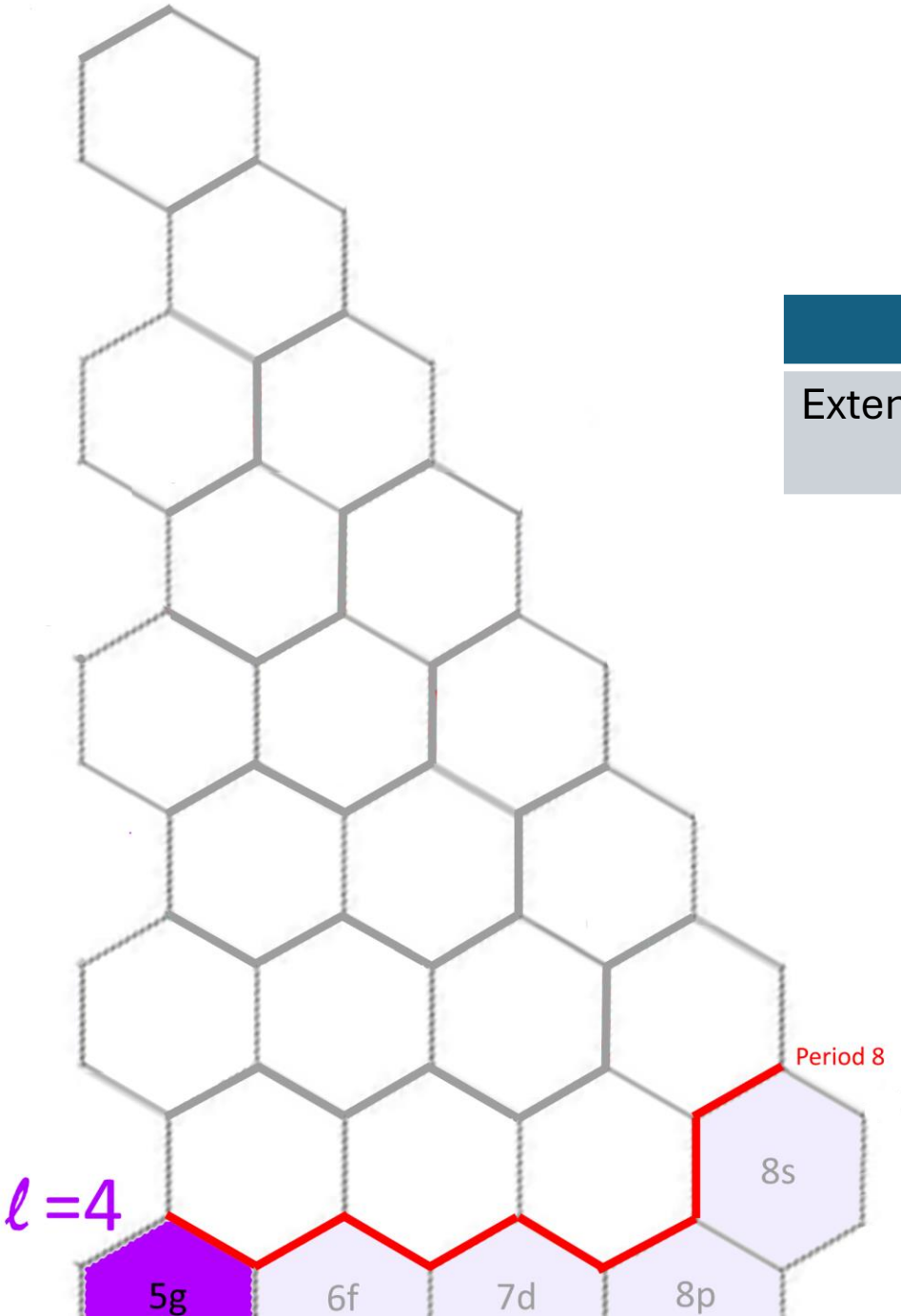


Pro: perform element number accounting easily

	Reflected in Existing table	Reflected in New table
Electron filling order of elements e.g. Rb → Sr → Y → Zr …	Yes	Yes
Electron filling order of orbits e.g. 5s → 4d → 5p → 6s …	Yes, but less intuitive	Yes
Magnetic QN of orbits are 1, 3, 5, 7, … (i.e. 2l + 1)	Difficult to see	Yes
Number of elements of each period	Yes, but less intuitive	Yes e.g. Period 5: (1 + 3 + 5)*2

Pro: Can be extended easily

	Existing table	New table
Extend to period 8	Need to find new space for block g	Already have a place for block g



References

- Other possible form of periodic table: https://en.wikipedia.org/wiki/Types_of_periodic_tables