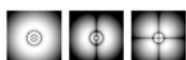


- 1 What is common about these H atom electron densities (in plane through the nucleus)?



- A Same number of radial loops
 - B Same number of nodal planes
 - C Same principal quantum number (loops + planes)
 - D None of the above
- 2 What is the ionization energy of H atom electrons with these densities?



- A 13.6 eV
 - B $13.6/4$ eV
 - C $13.6/9$ eV
 - D None of the above
- 3 Which of these electron densities describes an electron with the highest ionization energy?



- A Left
- B Middle
- C Right
- D They all have the same ionization energy

- 4 Which of these electron densities describes an electron with the lowest ionization energy?



- A Left
- B Middle
- C Right
- D They all have the same ionization energy