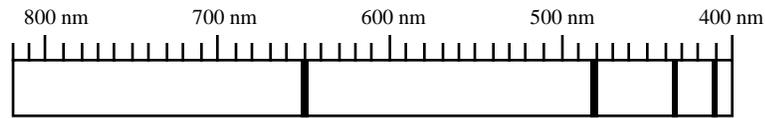


1. Below is a part of a spectrum produced from a sample of gas. Describe the structure of the energy levels of the atom that produces such a spectrum.



2. What aspect of an atom does the diagram below represent? What would be the physical evidence that would show that such a representation describes an atom? Explain.

