

Ground State Vs Excited State

Define ground state:

Where do you find ground state configuration?

Define excited state:

What happens when the electrons in an atom move from the excited state back to the ground state?

Define Quanta:

Label the following configurations with the symbols of the elements they represent. Note which represent ground state configurations and which represent excited state configurations.

Configuration	Element Symbol	Ground or Excited?
2 8 8 1		
2 7 6 1		
2 8 18 1		
2 8 13 1		
2 8 18 17 6		
2 2 1		
2 8 18 14 1		
2 8 18 32 10 3		