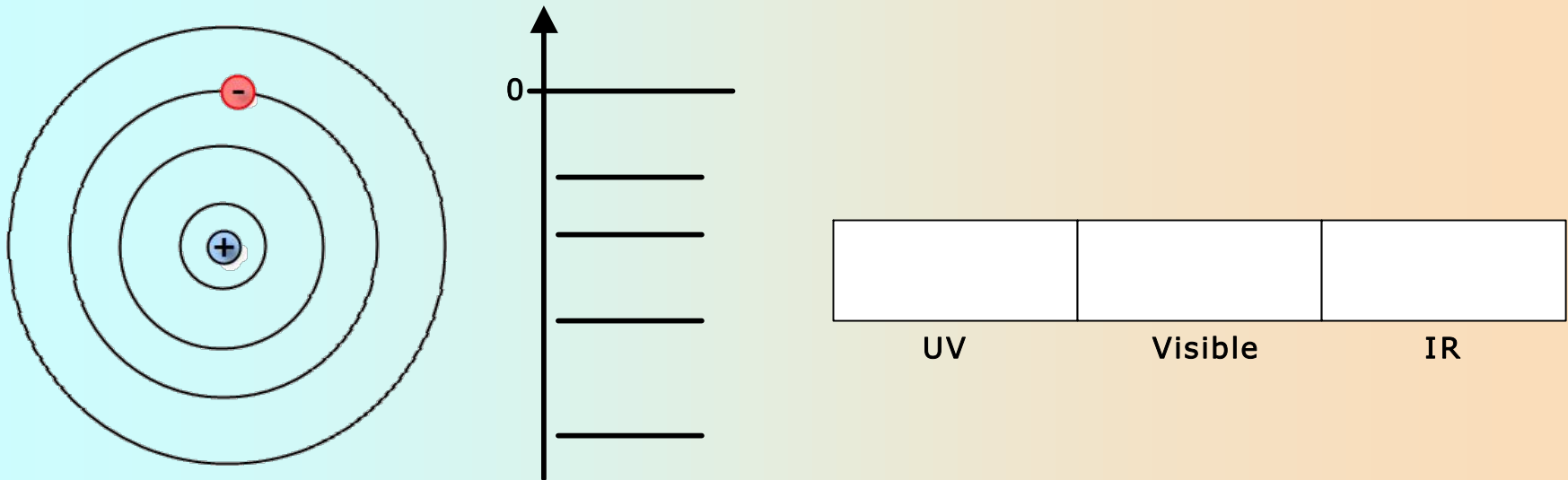


Bohr's atomic theory: questions

When the electron jumps to the ground state:

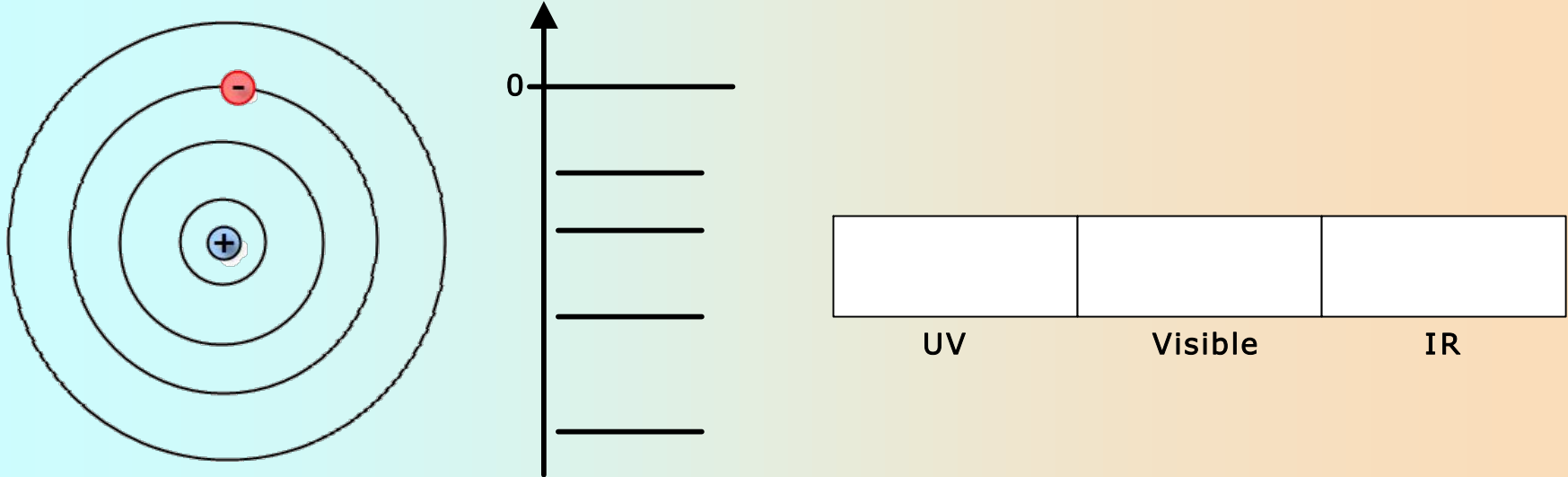
- Does it absorb or emit energy?
- Which kind of photon (UV, Visible, IR) is involved in the process?
- Draw the process and a line in the line spectrum



Bohr's atomic theory: questions

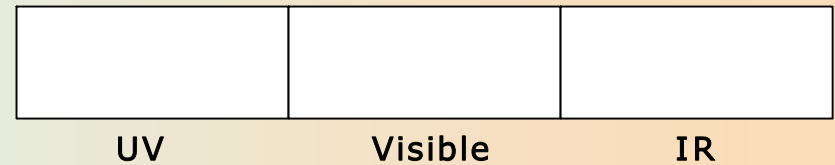
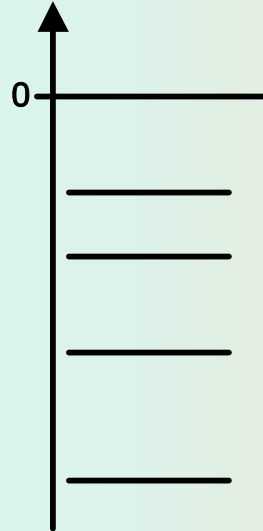
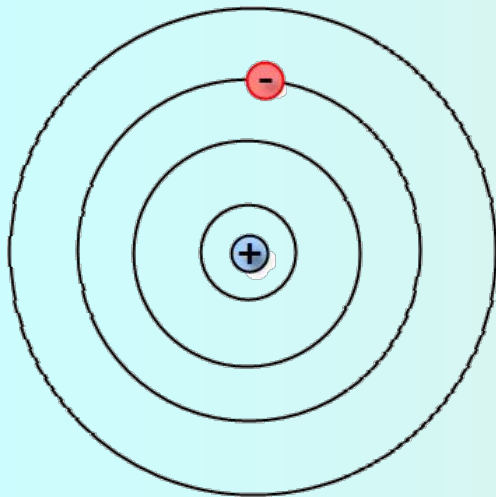
The electron emits a visible photon:

a) Draw the process and a line in the line spectrum



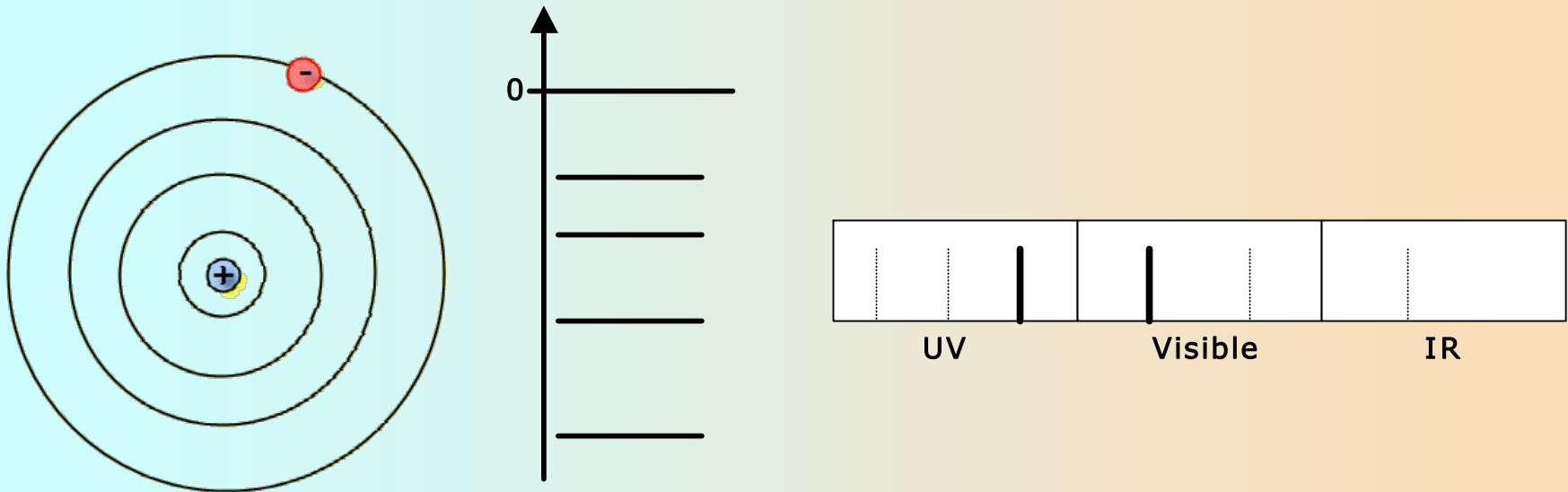
Bohr's atomic theory: questions

Draw all possible jumps from this orbit downwards



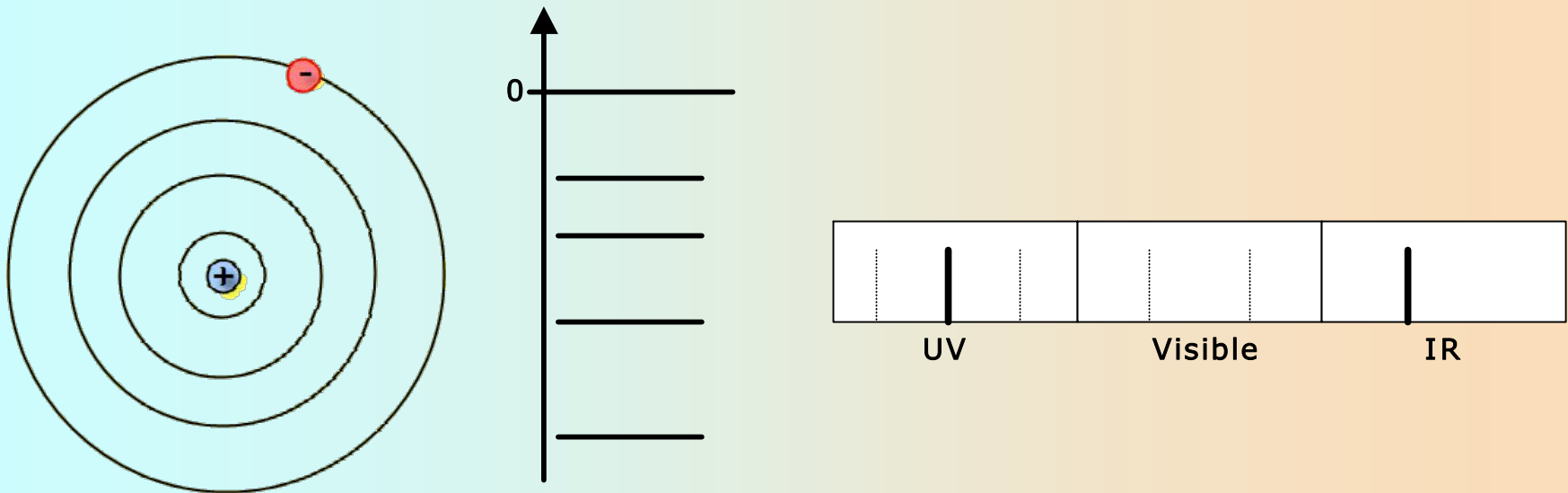
Bohr's atomic theory: questions

Draw the jumps that fit with the spectrum data



Bohr's atomic theory: questions

Draw the jumps that fit with the spectrum data



Bohr's atomic theory: questions

Draw the jumps that fit with the spectrum data

