

SC1. e. I can construct an explanation of light emission and the movement of electrons to identify elements.

Light Emission Video Notes

1. Electrons move around the nucleus of an atom in _____ orbits.
 2. What does these orbits or shells represent? _____

 3. The farther an electron is from the nucleus the _____

 4. How can an electron be knocked into a higher orbit? _____

- This now puts the electron in a _____
5. What happens when an electron moves from a higher state back to its normal state? _____

 6. The excitation and deexcitation is what makes a _____ work.
 7. What is a typical fluorescent light bulb filled with? _____

- What is at each end of the tube? _____
- What happens when the ends are heated up? _____

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8. What pushes the electrons from one end of the tube to the other end? _____

9. What happens when the electrons hit a mercury atom? _____

10. Summarize how white light is produced inside of a fluorescent light bulb. _____
