

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? _____

Created By: Chivas & Jordan Spivey

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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. _____

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