**CRITICAL THINKING QUESTIONS**

1. Describe what the spectra look like. How would you classify the different emission lines?

1. Why are there differences between the spectra? *(Hint: Think about the electrons)*

1. Where do the emission lines come from? *(Hint: Think about question 2 and the title Spectra: SO EXCITED.)*

1. Where did the energy come from? *(Hint: What are the discharge tubes attached too?)*

**Paragraph**

On a separate piece of paper write an eight-sentence paragraph about the process for atoms to gives off emission spectra.

(HINT HINT WINK WINK: think of the POGIL activity on light)