Answer the following questions after observing the bright line spectra from the lamps and the different colors emitted from the flame tests.	NAME:
	BLOCK: DATE:
1. Explain the following equation: $E = hv$ where E equals the frequency of the electromagnetic radiation	equals energy (in joules), h equals Planck's constant, and v (light)
	spectrometer) you see a continuous "spectrum" of light (a on spectrum consists of only discrete (specific) lines of
3. Explain why when a specific element is subjected element, potassium, for instance.	to a flame it emits a different color of light than any other