

Name _____

Building a Spectrograph Homework

Take your spectrograph home with you and look at *eight* light sources. Make sure to look at at least three *different kinds* of light. For example, you could look at a normal light bulb, a street lamp, and a florescent light (like the kind found in most kitchens and some bathrooms). Other examples of light are bug zappers, candles, glow sticks, neon signs etc. You can use the Sun, but **NEVER** point your spectrograph directly at the Sun. Instead, place a piece of white paper on the ground or taped to a wall so that the Sun's light is shining on it, and point your spectrograph very close to the paper.

Record your observations in the table below. Be prepared to share your results with your class.

Light Source	Color of Light with Naked Eye	Spectrum (draw here, with calibration numbers if applicable)

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