

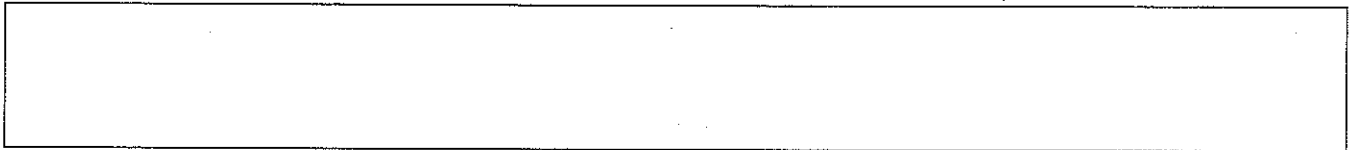
Spectroscope Activity - Data Sheet

Name: _____

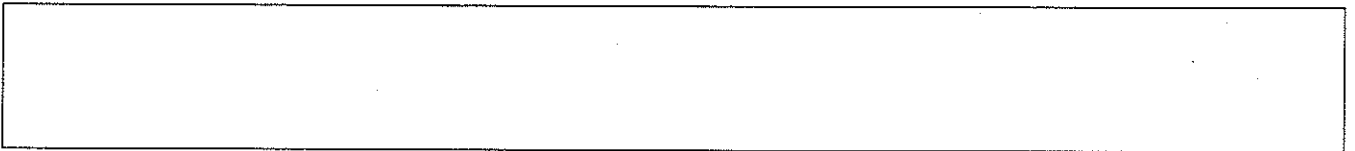
Use your spectroscope to analyze the colours of light given off by three different sources. Draw a picture of the spectra you observe with pencil crayons in the spaces below. Identify each the light sources.

Safety Tip: Remember, when using the Sun as a light source, do not look directly at it using your spectroscope. You can harm your eyes. Instead look at sunlight reflected from snow or a white cloud.

Light source: _____



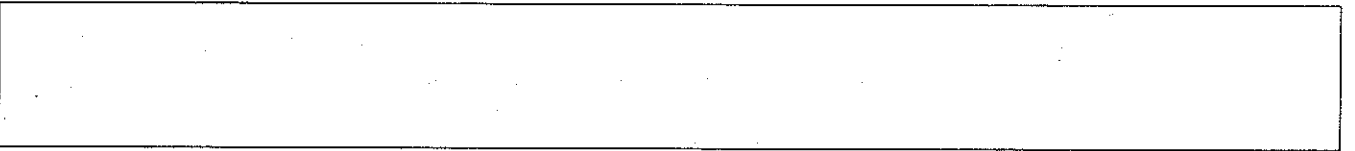
Light source: _____



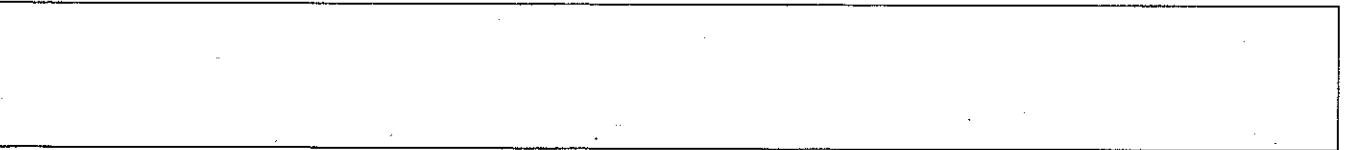
Light source: _____



Light source: _____



Light source: _____



Discussion questions

1. Describe how the spectra of the five light sources you studied are different from each other. How are they similar?
2. Would you be able to identify the light sources if you only saw their spectra?