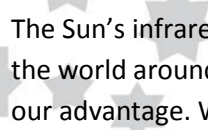


# Classroom Activity

## 10 Big Question: How did the Universe begin?

### Using the electromagnetic spectrum



The Sun's infrared rays warm our bodies while the visible light it emits allows our eyes to see the world around us. We've evolved to use these parts of the electromagnetic spectrum to our advantage. We've also learned to harness many parts of the electromagnetic spectrum in modern technologies such as microwave ovens and radio.

Visit the following tutorial for an explanation of each type of electromagnetic energy on the spectrum and some of their uses.

[+] <http://www.kentchemistry.com/links/AtomicStructure/electromagneticrad.htm>

Pick one type of energy from the spectrum you would like to focus on and research the many uses of that energy both in nature and in the man-made world. Don't forget to include any nasty side-effects in your research (e.g. sunburn from ultraviolet rays – ouch!).

Present the key facts about your type of light energy and its uses either as a written report, multimedia presentation or poster.