

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## I Now Know I Can't Hide Post-Quiz

1. Explain how IR technology can be used to find a person lost on a hike.
2. What part of the electromagnetic spectrum can be used to “see” at night?
3. What are the wavelengths of IR?
4. List four ways scientists and engineers use IR technology to conduct research and design products.
5. Sketch a block diagram of a circuit that uses an IR LED, an IR light sensor, a reflector and a camera (or alarm) to detect an object that crosses the path of your curbside trash container. Also explain how the circuit works.