Investigate Invisible Light

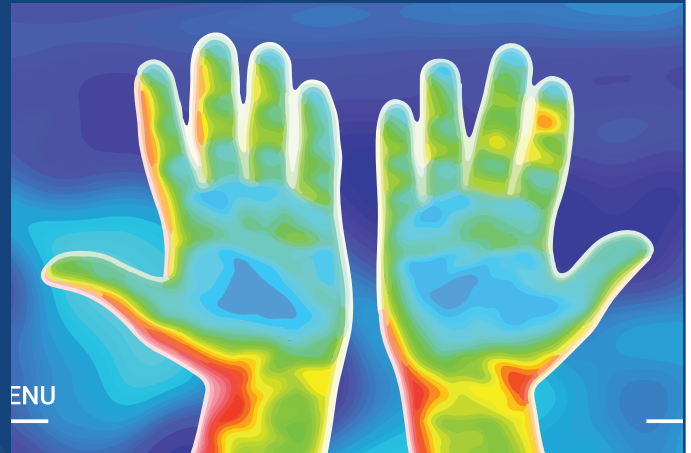## Try This!

An infrared camera lets us "see" invisible light waves emitted by warm objects. Use the infrared camera to detect the infrared light radiating from your hand.

Place the clear plastic shield over your hand. What does the infrared camera show you now? What happened?
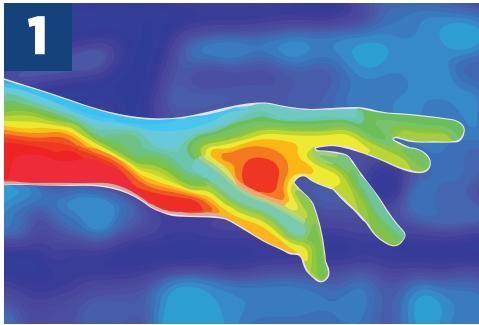
Place your hand on the acrylic mat for five seconds. Lift your hand up. Use the infrared camera to see what happened to the acrylic.

Use the infrared camera to compare an incandescent light bulb and an LED (light-emitting diode) bulb. Which light bulb emits more energy in the form of heat?

Connections to the Past

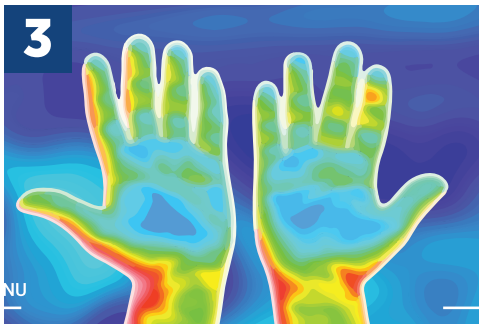Which type of light bulb do you think was invented in the 1800s? Which was invented in the 1960s?

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Place the clear plastic shield over your hand. What does the infrared camera show you now? What happened?

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Place your hand on the acrylic mat for five seconds. Lift your hand up. Use the infrared camera to see what happened to the acrylic.

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Use the infrared camera to compare an incandescent light bulb and an LED (light-emitting diode) bulb. Which light bulb emits more energy in the form of heat?

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