

# Warm-Up #1

Did you know that as of 2012\*, 17% of all the electricity consumed in commercial buildings—places like office buildings, warehouses, and stores—was just for lighting? That's a large chunk of energy, but just over a decade ago, this number was almost 40%!

**What do you think happened over the last 10-15 years to account for this reduction in electricity use from lighting?**

\*<https://www.eia.gov/consumption/commercial/reports/2012/lighting/>



# Warm-Up #2

Having enough light in places like offices or classrooms is important for people to be able to do their work without straining their eyes. But sometimes there can be *too much* artificial light. Have you ever been in a room that felt uncomfortably bright, or left the lights on in an empty room? These are examples of 'over-illumination.' Over-illumination happens when there is an unnecessary amount of artificial light in a space, which wastes energy.

**Can you think of other examples of over-illumination? What might cause a space to be under-illuminated?**

