

Tear here if you don't want the answer key!

## Answer Key

### What Kind of Energy?

- 1 Thermal (Heat) Energy
- 2 Light Energy to Electrical Energy
- 3 Mechanical Energy to Sound Energy
- 4 Chemical (Food) Energy
- 5 Light Energy
- 6 Gravitational to Mechanical Energy
- 7 Gravitational and Mechanical Energy

### Natural or Artificial Light

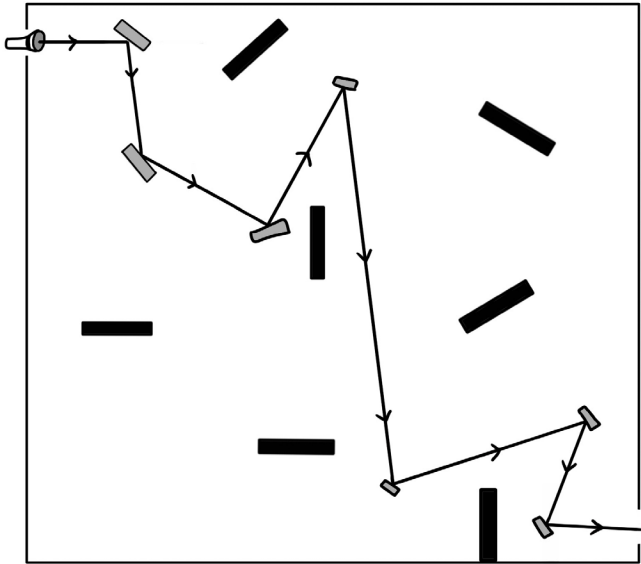
- N Firefly
- A Candle
- N Fire
- A Flashlight
- N Jellyfish
- N Lightning
- A Lightbulb
- N Sun
- N Aurora Borealis

### Light Source Binary

- SCENARIO #1  0 Basement lights  1 TV
- SCENARIO #2  1 Front bike light  1 Rear bike light  0 Sunlight
- SCENARIO #3  1 Oven light
- SCENARIO #4  1 Yard lights  1 Flashlight  1 Fireflies  0 Sunlight  0 Fire
- SCENARIO #5  0 Downstairs lights  0 Computer light
- SCENARIO #6  0 Flashlight

## Reflection Maze


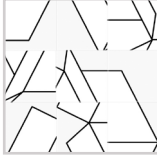
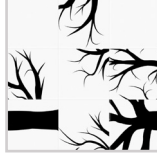

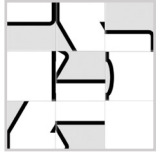
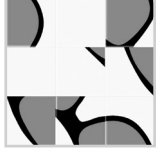
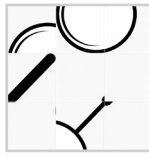


There are many possible solutions that could be drawn, but here is an example:



## Opacity Hunt

- |      |       |
|------|-------|
| 1 +  | 9 <   |
| 2 }  | 10 &  |
| 3 !  | 11 // |
| 4 {  | 12 !  |
| 5 !  | 13 #  |
| 6 \$ | 14 +  |
| 7 !  | 15 #  |
| 8 @  | 16 +  |

## Opacity Unscramble

OPAQUE		Book
		Cardboard Box
		Tree
TRANSLUCENT		Toilet Paper
		T-shirt (thin cloth)
		Sunglasses
TRANSPARENT		Magnifying Glass
		Hourglass
		Glass