
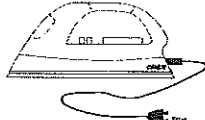
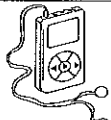
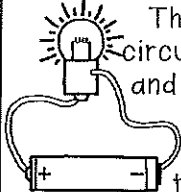
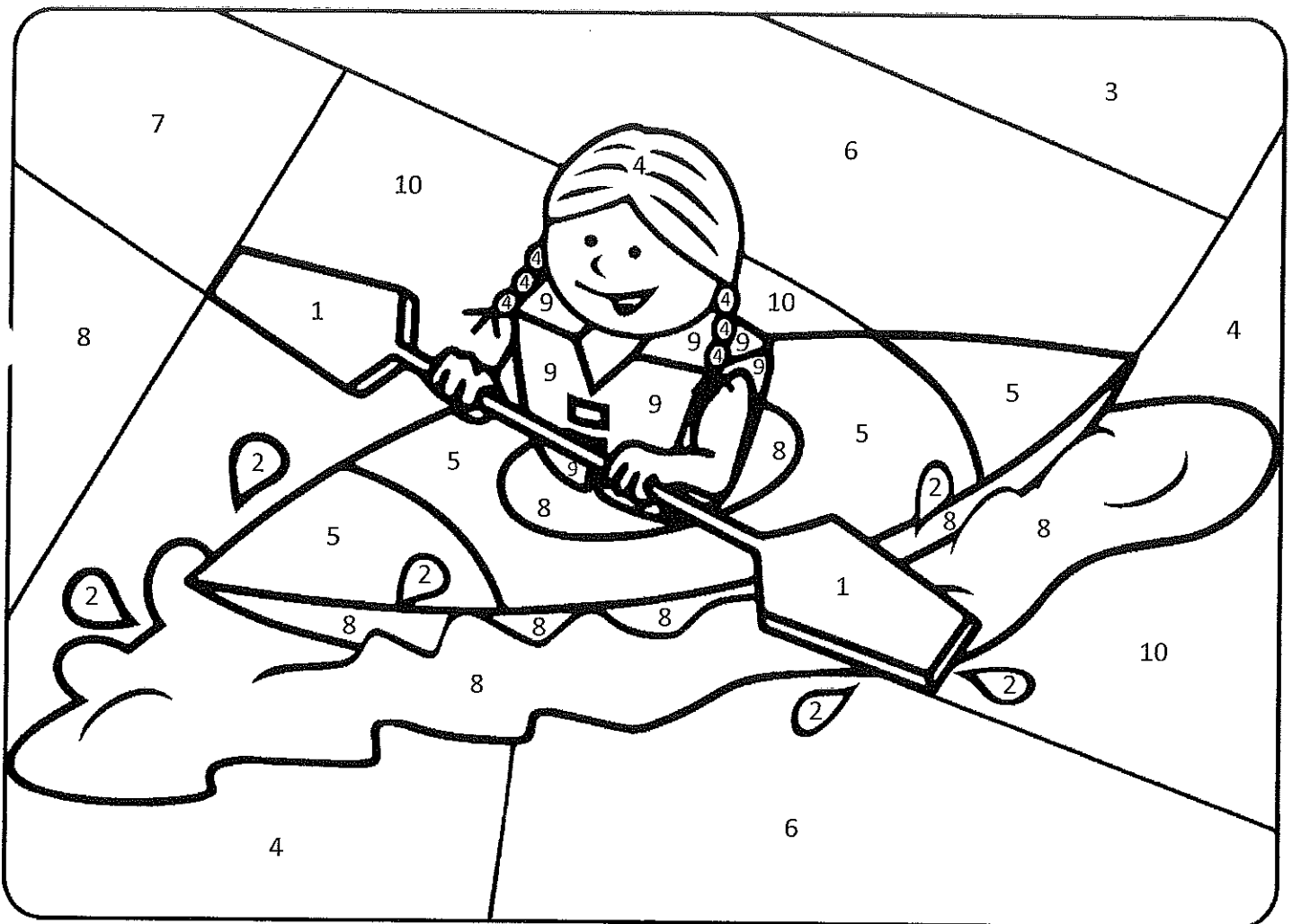


Energy Transformations Color-by-Number

#	Question/Problem	Answer Choice A	Answer Choice B	Answer Choice C
1	Which of these is an example of light energy being transformed into chemical energy?	A battery causes a flashlight to turn on. Color YELLOW	A glow stick lights up when it's broken. Color BLACK	A plant makes sugar in the sunlight. Color BROWN
2	What kind of energy change occurs when a birthday candle burns?	Light to electrical Color WHITE	Chemical to light Color LIGHT BLUE	Light to chemical Color GREEN
3	Which energy transformation occurs when a flashlight shines?	Electrical→light→chemical Color RED	Chemical→electrical→light Color PURPLE	Chemical→thermal→electrical Color YELLOW
4	Which device transforms electrical energy into mechanical energy?	 Color YELLOW	 Color ORANGE	 Color BROWN
5	 This is a closed circuit with a battery and a light bulb. This circuit works by transforming -	Electrical energy to thermal to light Color PURPLE	Mechanical energy to electrical to light Color PINK	Chemical energy to electrical to light Color LIGHT GREEN
6	A television works by transforming electrical energy to what other kinds of energy?	Sound, mechanical, & electrical Color DARK GREEN	Light, chemical, & mechanical Color PURPLE	Light, thermal, & sound Color RED
7	People get energy from the food they eat and transform that energy as they move. When a boy rubs the palms of his hands together, which transformation occurs?	Chemical→mechanical→thermal Color ORANGE	Mechanical→chemical→thermal Color BROWN	Chemical→sound→electrical Color DARK GREEN
8	What does the Law of Conservation of Energy tell us?	Energy cannot be created or destroyed, but simply change form. Color DARK GREEN	Energy can be created, destroyed, and transformed from one form to another. Color DARK BLUE	Energy cannot be created, but it can be destroyed during an energy transformation. Color PURPLE
9	A microwave oven transforms electrical energy into all of the following types of energy EXCEPT-	light. Color PURPLE	solar. Color GREY	thermal. Color YELLOW
10	Which energy transformation occurs when solar panels are used to heat a building?	Light→mechanical Color WHITE	Light→thermal Color LIGHT BLUE	Thermal→chemical Color RED

Energy Transformations

DIRECTIONS: Read each question/problem on the other page provided and determine the correct answer choice. Each answer choice corresponds to a color. On this coloring page, color every section that contains that question/problem number with the designated color of your answer choice.



CHALLENGE: What type of energy transformation occurs as the girl paddles her kayak? Justify your answer.