



# Activity 6: Energy Challenge Game

## Game Board

FORMS OF ENERGY	RENEWABLE ENERGY SOURCES	POTENTIAL OR KINETIC	ENERGY & SOCIETY
<p><b>100</b></p> <p>MOVING OBJECTS —LIKE A CAR</p>	<p><b>100</b></p> <p>THIS PROCESS USES SUNLIGHT TO PRODUCE SUGARS AND RELEASE OXYGEN</p>	<p><b>100</b></p> <p>STORED ENERGY</p>	<p><b>100</b></p> <p>THE GREATEST SOURCE OF ENERGY FOR THE EARTH</p>
<p><b>200</b></p> <p>THIS FORM OF ENERGY IS STORED IN WOOD, FOSSIL FUELS, AND FOOD</p>	<p><b>200</b></p> <p>THIS IS WIDELY USED TODAY FOR COOKING AND HEATING—ESPECIALLY IN DEVELOPING COUNTRIES</p>	<p><b>200</b></p> <p>EVERYTHING THAT IS MOVING</p>	<p><b>200</b></p> <p>WIND, WATER, SOLAR, AND BIOMASS ARE EXAMPLES OF THIS TYPE OF ENERGY</p>
<p><b>300</b></p> <p>THE SPLITTING IS CALLED FISSION, THE COMING TOGETHER OF ATOMS IS CALLED FUSION</p>	<p><b>300</b></p> <p>THIS OBJECT USES NUCLEAR FUSION TO REACH TEMPERATURES OF 15 MILLION DEGREES CENTIGRADE</p>	<p><b>300</b></p> <p>SNOW ON THE TOP OF A MOUNTAIN</p>	<p><b>300</b></p> <p>ONE CAN REFINE 20 GALLONS OF GASOLINE FROM ONE BARREL OF THIS</p>
<p><b>400</b></p> <p>WHEN MOVING ELECTRONS ARE FORCED ALONG A PATH OF COPPER WIRE</p>	<p><b>400</b></p> <p>HEAT GENERATED BY NATURAL PROCESSES BENEATH THE EARTH'S SURFACE</p>	<p><b>400</b></p> <p>A WOOD PILE</p>	<p><b>400</b></p> <p>TURNING DOWN THE THERMOSTAT, ADDING INSULATION, RIDING A BIKE AND TURNING OFF UNNECESSARY LIGHTS</p>
<p><b>500</b></p> <p>VISIBLE WAVELENGTHS AND INVISIBLE WAVELENGTHS LIKE X-RAYS</p>	<p><b>500</b></p> <p>UNEVEN HEATING OF THE EARTH PROVIDES THIS SOURCE OF ENERGY</p>	<p><b>500</b></p> <p>LEGS PUMPING THE PEDALS OF A BIKE</p>	<p><b>500</b></p> <p>THIS KIND OF CAR HAS TWO ENGINES—ONE IS AN EFFICIENT INTERNAL COMBUSTION ENGINE, THE OTHER IS AN ELECTRIC ENGINE</p>