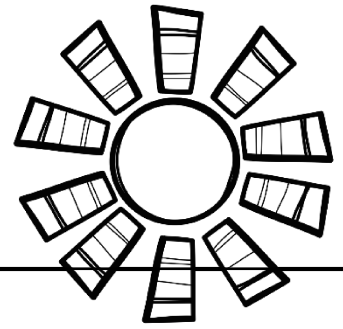


Name _____ Date _____

Heat Transfer Coloring

For each question, there is one correct answer and a color associated with that answer. On the coloring page, each question number section should be filled in with that color!



<p>1</p> <p>An electric stove heating an iron pan is an example of</p>			<p>6</p> <p>Warm air is pushed up by cooler air during convection because the warm air is</p>		
<p>conduction LIGHT BLUE</p>	<p>convection RED</p>	<p>radiation GREEN</p>	<p>the same LIGHT GREEN</p>	<p>more dense LIGHT BLUE</p>	<p>less dense DARK GREEN</p>
<p>2</p> <p>Thermal energy is added to four identical samples of water. What increases in each sample?</p>			<p>7</p> <p>A balloon filled with room temperature air and then put in a sunny place expands slightly due to a rise in temperature. This is due to the molecules of air</p>		
<p>mass BLACK</p>	<p>density YELLOW</p>	<p>kinetic energy PURPLE</p>	<p>moving faster LIGHT GREEN</p>	<p>increasing in number PURPLE</p>	<p>increasing in density RED</p>
<p>3</p> <p>Heat transfer from water at the bottom of a pot to water at the top is an example of</p>			<p>8</p> <p>Sunlight heating the interior of a car on a sunny day is an example of</p>		
<p>conduction DARK BLUE</p>	<p>convection RED</p>	<p>radiation YELLOW</p>	<p>conduction ORANGE</p>	<p>convection RED</p>	<p>radiation DARK BLUE</p>
<p>4</p> <p>The warmth you feel sitting next to a fire is due to</p>			<p>9</p> <p>The surface of a heated metal object measures 120°C. It is dropped into a bucket filled with water measuring 10°C. Which is most likely to occur in an hour?</p>		
<p>conduction PINK</p>	<p>convection DARK BLUE</p>	<p>radiation ORANGE</p>	<p>water temp is the same LIGHT BLUE</p>	<p>metal temp increases PINK</p>	<p>equilibrium is reached YELLOW</p>
<p>5</p> <p>If you place 3 spoons into hot water, one wood, one plastic, and one metal, which spoon would be most likely to transfer the heat of the water?</p>			<p>10</p> <p>The warmth you feel holding a warm cup of cocoa is an example of</p>		
<p>metal BLACK</p>	<p>wood PINK</p>	<p>plastic LIGHT GREEN</p>	<p>conduction PINK</p>	<p>convection LIGHT GREEN</p>	<p>radiation DARK GREEN</p>