Lesson 4: Calculating Kinetic Energy				Click	
Name:		Class Period:		Video Directions	
Directions: The lesson below is a practice for calculating kinetic energy. Each of the problems below will give you the					
mass of an object and its speed. It will be your job to find that object's kinetic energy. If you are on a computer, by					
clicking the button in the top right hand corner, you will be able to access a video to explain these processes. You can					
also use a phone or tablet to	scan the QR cod	e at the top righ	nt for a video explan	ation.	
Kinetic energy is the energy that an object gets from its movement.					
Ki	inetic Energy = ½	x (the object's i	mass) x (the object's	speed) <sup>2</sup>	
1). Find the kinetic er	energy of toy car w	with a mass of 1	kg traveling a speed	d of 2 m/s.	
2). Find the kinetic er	energy of toy car w	with a mass of 2	kg traveling a speed	d of 2 m/s.	
3). Find the kinetic er	energy of person v	with a mass of 5	0 kg running at a spo	eed of 10 m/s.	
4). Find the kinetic ei	energy of person v	with a mass of 5	0 kg running at a spo	eed of 20 m/s.	
5). Find the kinetic er	energy of a car wit	th a mass of 150	00 kg traveling a spe	ed of 50 m/s.	