



Binogi Video: [Renewable Energy Sources](#)
 English-Mandarin Bilingual Concept List
 The Escape Projects

<p>Kinetic Energy The energy an object or particle has when it is moving. The heavier an object is or the faster it moves, the higher the kinetic energy of that object.</p>	<p>动能 当物体或者粒子移动时所具有的能量。当物体越重或者移动越快的时候，动能就越高。</p>	
<p>Turbine A machine that is made up of a series of blades that are spun by pressure from water, steam or air, in order to generate power.</p>	<p>涡轮 所作为一种机器，由一系列叶片组成，叶片在水、蒸汽或者空气的压力下旋转以产生动力。</p>	
<p>Generator A machine that generates electricity by converting kinetic energy into electrical energy.</p>	<p>发电机 一种通过将动能转换为电能来发电的机器。</p>	
<p>Electrical Current The rate at which electrical charge flows past a point in a circuit.</p>	<p>电流 当电荷通过电路中某一点时的速率。</p>	
<p>Electrical Charge The amount of electrical energy in a substance based on the number of electrons it has.</p>	<p>电荷 一种物质所含有的电能综合基于其所拥有的电子数量。</p>	
<p>Renewable Energy Energy obtained from natural resources that are able to be restored by natural processes and cannot be used up. Examples include wind, sunlight, moving water.</p>	<p>可再生能源 从自然资源中获得的能量，能够通过自然过程恢复并不会被耗尽。例如风、阳光和流动的水。</p>	
<p>Non-Renewable Energy Energy obtained from natural resources that are limited in supply or take a long time to replenish. Examples include coal, natural gas, nuclear energy.</p>	<p>不可再生能源 从有限的或需要长时间恢复的自然资源获得的能量。例如，煤炭、天然气和核能。</p>	



<p>Global Warming A gradual increase in the average temperature of the Earth's atmosphere and its oceans due to the presence of gases that trap heat that would otherwise escape from the atmosphere.</p>	<p>全球变暖 大气和海洋的平均温度逐渐上升的现象。这是由于能够存储热量的气体存在，否则热气将从大气中逃逸。</p>	
<p>Solar Power Electricity generated from the energy of the sun.</p>	<p>太阳能 由太阳能转化成的电能。</p>	
<p>Oscillating Water Column A device that generates energy from the rise and fall of water caused by waves and tides.</p>	<p>振荡水柱 一种能够通过由波浪和潮汐引发的涨潮落而产生能量的装置。</p>	

Note: The Renewable Energy Sources is covered in Grade 9 Physics/ Science in China.

