



Binogi Video: The Nutrient Chain
 English-Mandarin Bilingual Concept List
The Escape Projects

<p>Nutrient (nutrients) Substances that living things need in order to live and grow.</p>	<p>营养 生物生存和生长所需的物质。</p>	
<p>Photosynthesis The process whereby special cells in an organism, usually a plant, use sunlight, water and carbon dioxide to create energy in the form of glucose. Takes place in cells that contain a green pigment called chlorophyll.</p>	<p>光合作用 有机体（通常是植物）中的特殊细胞利用阳光、水和二氧化碳以葡萄糖的形式产生能量的过程。发生于含有绿色色素并被称做叶绿素的细胞中。</p>	
<p>Glucose A simple sugar that can be broken down fast into energy by an organism. It exists naturally in plants.</p>	<p>葡萄糖 一种单糖，能够被生物迅速分解成能量。它自然存在于植物中。</p>	
<p>Primary Producer Plants, algae or other photosynthesising organisms, which constitute the base for all food chains in all ecosystems.</p>	<p>初级生产者 植物、藻类或者其他光合作用生物，构成所有生态系统中所有食物链的基础。</p>	
<p>Autotrophic Organism (Autotroph) An organism capable of producing its own food.</p>	<p>自养生物 能够自己生产食物的有机体。</p>	
<p>Heterotrophic Organism (Heterotroph) An organism that cannot produce its own food and has to feed on other organisms.</p>	<p>异养生物 不能自己产生食物，需要以其他有机体为食的生物。</p>	
<p>Primary Consumer Herbivores that feed on primary producers, like plants, algae or other photosynthesising organisms.</p>	<p>主要消费者 以初级生产者为食的食草动物，如植物、藻类或者其他光合作用生物。</p>	



<p>Secondary Consumer Predators that feed on primary consumers, like herbivores.</p>	<p>第二级消费者 以初级消费者为食的捕猎者·例如食草动物。</p>	
<p>Carnivore An organism that feeds on animals.</p>	<p>食肉动物 以动物为食的有机体。</p>	
<p>Tertiary Consumer Larger predators that consume secondary consumers, like smaller predators.</p>	<p>第三级消费者 更大型的捕猎者·捕食二级消费者·如相对小型的捕猎者。</p>	
<p>Scavenger Something that feeds on the dead remains of animals.</p>	<p>食腐动物 以动物尸体为食的动物。</p>	
<p>Nutrient Chain The flow of nutrients through a food chain from the producers, like plants and algae, all the way to the various consumers and decomposers.</p>	<p>营养链 营养物质通过食物链从生产者·如植物和藻类·流向各种消费者和分解者的过程。</p>	
<p>Decomposer An organism that feeds on and breaks down plant and animal matter into simpler parts.</p>	<p>分解者 以植物和动物为食·并将它们分解为更简单部分的有机体。</p>	

Note: The Nutrient Chain is covered in Grade 7 Biology/Science in China.

