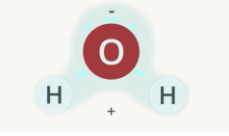






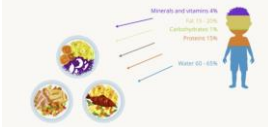





**Binogi Video: [The Blood](#)**  
 English-Mandarin Bilingual Concept List  
The Escape Projects

<p><b>Molecule</b> A group of atoms attached to each other by a chemical bond.</p>	<p><b>分子</b> 通过化学键相互连接的一组原子。</p>	
<p><b>Intestine</b> A long and curvy tube through which food travels from the stomach to the anus.</p>	<p><b>肠</b> 一种长而弯曲的管子，食物通过它从胃进入肛门。</p>	
<p><b>Metabolise</b> To change a substance (usually food) into a form that your body can use.</p>	<p><b>代谢</b> 将一种物质（通常是食物）转化成身体可以使用的形式。</p>	
<p><b>Transmit</b> To send information from one place to another.</p>	<p><b>传送</b> 将信息从一个地方传送到另一个地方。</p>	
<p><b>Constrict</b> To make something smaller or tighter.</p>	<p><b>收缩</b> 使某物变得更小或更紧。</p>	
<p><b>Intruder</b> Someone or something that is in a place where it is not wanted.</p>	<p><b>入侵者</b> 某人或者某物出现在在一个不被需要的地方。</p>	
<p><b>Coagulate</b> A process that causes the blood to solidify to stop bleeding.</p>	<p><b>凝结</b> 使血液凝固来止血的过程。</p>	
<p><b>Nutrient</b> Substances that living things need in order to live and grow.</p>	<p><b>营养</b> 生物生存和生长所需的物质。</p>	
<p><b>Glucose</b> A simple sugar that can be broken down fast into energy by an organism. It exists naturally in plants.</p>	<p><b>葡萄糖</b> 一种单糖，能够被生物体迅速分解成能量。其自然的存在于植物。</p>	







<p><b>Immune System</b> The body's defense against what can be harmful. It could for example be bacteria or viruses.</p>	<p><b>免疫系统</b> 身体对于有害物质的防御机制。例如，细菌或者病毒。</p>	<p>Virus      The immune system</p>
<p><b>Bacterium</b> A group of organisms consisting of only one cell. They can be found everywhere in our surroundings. Some of them can cause diseases while others are essential to life.</p>	<p><b>细菌</b> 由一个细胞组成的一组有机体。它们无处不在。有些细菌会导致疾病，而另一些则是生命所必需的。</p>	<p>Bacteria</p>
<p><b>Virus</b> A very small biological unit consisting of genetic material. It can only grow inside the cell of a living organism and can cause diseases and infections.</p>	<p><b>病毒</b> 由遗传物质组成的非常小的生物单位。它只能在生物体的细胞内生长，并能引起疾病和染病。</p>	<p>Virus</p>
<p><b>Hemoglobin</b> A red-coloured protein found in blood that contains iron and transports oxygen and carbon dioxide throughout the body.</p>	<p><b>血红蛋白</b> 血液中一种红色蛋白质，含有铁并且可以将氧气和二氧化碳传输到全身。</p>	<p>The blood Oxygen Red blood cells contain the protein hemoglobin.</p>
<p><b>Platelet</b> Tiny, colourless blood cells that helps the blood to clot if there is a cut or open wound.</p>	<p><b>血小板</b> 当存在伤口或开放性伤口时帮助血液凝结的微小无色的血细胞。</p>	<p>Platelets White blood cells Red blood cells</p>
<p><b>Blood Plasma</b> A pale-yellow fluid in blood that is made up of water and dissolved substances, like proteins, sugars, vitamins, and waste products from the cells.</p>	<p><b>血浆</b> 血液中由水和溶解物质组成的淡黄色液体，如蛋白质、糖、维生素和由细胞产生的废物。</p>	<p>Blood Plasma Platelets White blood cells Red blood cells</p>
<p><b>Circulatory System</b> A network of tubes that run throughout the body to transport blood between the heart and the rest of the body.</p>	<p><b>循环系统</b> 贯穿全身的一种管道网络，用于在心脏和身体其他部位之间传送血液。</p>	<p>Circulatory system</p>
<p><b>Cell</b> The smallest unit of life that exists in all living creatures. The human body consists of several millions of cells and the simplest organisms consist of only one cell.</p>	<p><b>细胞</b> “是生物最基本的结构和功能单位” (2004, p.16)。人体由上百万个细胞组成。</p>	<p>The cell domains Bacteria Archaea Eukaryotes Higher eukaryotes (plants, animals, fungi) Lower eukaryotes (protists)</p>



	<p>胞组成，而最简单的生物体就是一个细胞。</p>	
<p><b>Energy</b> Energy is everywhere around us and causes things to move. Without energy nothing would happen.</p>	<p><b>能量</b> 能量在我们身边无处不在，使事物得以运动。如果没有能量，将什么也不会发生。</p>	
<p><b>Red Blood Cell</b> Cells that carry oxygen and remove carbon dioxide from your body, the cells are made in your bones.</p>	<p><b>红细胞</b> 能够携带氧气并且清除身体中的二氧化碳的细胞，它们形成于你的骨骼之中。</p>	
<p><b>Blood Vessel</b> Tubes that transport blood to and from all parts of the body.</p>	<p><b>血管</b> 将血液传送到身体各部位或从各部位传送出来的管道。</p>	
<p><b>Leukocyte (White Blood Cell)</b> Cells of the immune system that are involved in protecting the body against both invaders and diseases.</p>	<p><b>白细胞 (白血球)</b> 免疫系统中的细胞，用以参与保护身体来抵抗入侵者和疾病。</p>	
<p><b>Iron</b> A chemical element with symbol Fe and atomic number 26.</p>	<p><b>铁</b> 一种化学元素，符号为 Fe,原子序数为 26。</p>	
<p><b>Blood Platelet (Thrombocyte)</b> Important blood components that keep us from bleeding by clumping.</p>	<p><b>血小板</b> 通过凝结作用防止我们出血的重要血液成分。</p>	
<p><b>Blood Pressure</b> The pressure of circulating blood on the walls of blood vessels.</p>	<p><b>血压</b> 血管壁上用以循环血液的压力。</p>	



<p><b>Traffic Jam</b> A long line of vehicles that cannot move forward because there is too much traffic.</p>	<p><b>交通阻塞</b> 由于交通过于拥挤，导致一长列车辆无法前行。</p>	
<p><b>Blood</b> A circulatory system that contains important components and transport things around in the body.</p>	<p><b>血</b> 一种循环系统，含有重要成分并在体内运输物质。</p>	

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

Reference: Zhenfang.W, Wenjun.L, Zhiguo.Z, Hongmin.T, Libo.Z & Youxun.W.(2004) Yi Wu Jiao Yu Ke Cheng Biao Zhun Shi Yan Jiao Ke Shu: Sheng Wu Xue (Qi Nian Ji, Shang Ce).

