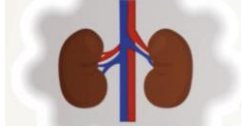
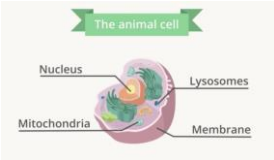
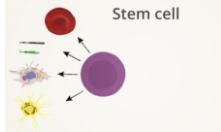



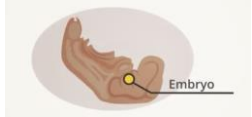




**Binogi Video: Cell Specialization**  
 English-Mandarin Bilingual Concept List  
The Escape Projects

<p><b>kidney</b>          One of two organs in your body that remove waste products from your blood and makes urine.</p>	<p><b>肾</b>          体内具有清除血液垃圾并产生尿液功能的两种器官之一。</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，而最简单的生物体就是一个细胞。</p>	
<p><b>Stem Cell</b>          A type of cell that can create exact copies of itself and develop into different specialized cells, for example blood cells and nerve cells.</p>	<p><b>干细胞</b>          能够进行自我复制并发育成具备不同功能的细胞，例如血细胞和神经细胞。</p>	
<p><b>Nerve Cell (Neuron)</b>          A cell that is a part of the nervous system.</p>	<p><b>神经细胞</b>          组成神经系统的一种细胞。</p>	
<p><b>Specialise</b>          To become an expert in a particular skill or activity.</p>	<p><b>专攻</b>          能够成为某项技能或者活动的专家。</p>	
<p><b>Reproduce (Reproduction)</b>          Produce new individuals through sexual or asexual actions.</p>	<p><b>复制</b>          通过有性行为或者无性行为产生新个体的过程。</p>	
<p><b>Embryo</b>          An unborn human or animal in the earliest stages of growth when its basic structures are being formed.</p>	<p><b>胚胎</b>          处于基本结构形成中最初生长阶段未出生的人或动物。“受精卵沿着输卵管向子宫移动，同时进行细胞分裂，形成胚胎” (2005 · p.59)。</p>	





<p><b>Cell Differentiation</b> The process in which a cell develops in order to become specialised at performing a specific function within the body of a living thing.</p>	<p><b>细胞分化</b> 细胞为了能够在生物体内专门执行某项特定功能而发育的过程。</p>	
<p><b>Tissue</b> Cells with similar structure and functions and they form important parts in plants and animals.</p>	<p><b>组织</b> 具有相似结构和功能的细胞群·构成植物和动物的重要组成部分。</p>	
<p><b>Organ</b> Part of the body that has a specific and vital function.</p>	<p><b>器官</b> 具有特定且重要功能的身体组成部分。</p>	

Note: Most of the contents are covered in Grade 7 Biology/Science in China, expect that the Embryo is brought up in Grade 8.  
Reference: Peizheng.L, Libin.Z, Jianzeng.C, Jingchuan.H, Xiaojuan.W&Yanjun.Z.(2005) Yi Wu Jiao Yu Ke Cheng Biao Zhun Shi Yan Jiao Ke Shu: Sheng Wu Xue (Ba Nian Ji, Shang Ce).

