

**SNC2D Unit Review Biology – Jeopardy style**

<b>Cells &amp; Cell Division</b>	<b>Animal &amp; Plants</b>	<b>Digestive System</b>	<b>Circulatory System</b>	<b>Respiratory System</b>
<p>100</p> <p>If a substance such as glucose, moves through the cell membrane and into the cell, what process is occurring?</p> <p>a. diffusion</p>	<p>100</p> <p>Name an organelle found only in plant cells.</p> <p>a. chloroplasts, cell wall, *vacuole</p>	<p>100</p> <p>In what part of the body are most of the nutrients absorbed?</p> <p>a. Small intestine</p>	<p>100</p> <p>What type of tissue is blood?</p> <p>a. connective tissue</p>	<p>100</p> <p>The blood vessels directly involved in gas exchange are:</p> <p>a. capillaries</p>
<p>200</p> <p>During what stage of the cell cycle does DNA replication occur?</p> <p>a. interphase</p>	<p>200</p> <p>What contains the instructions that tell a cell what functions to perform?</p> <p>a. nucleus</p>	<p>200</p> <p>What is the liver and gall bladder in such close proximity?</p> <p>a. liver produces bile / gall bladder stores and releases it</p>	<p>200</p> <p>The main function of these is to carry oxygen to body cells.</p> <p>a. red blood cells</p>	<p>200</p> <p>Which part of the respiratory system is also part of the digestive system?</p> <p>a. Pharynx (throat)</p>
<p>300</p> <p>4. Draw metaphase with 4 chromosomes including centrioles and spindle fibres.</p> <p>(draw metaphase)</p>	<p>300</p> <p>Cytokinesis in plant cells is different from cytokinesis in animal cells because:</p> <p>a. a cell plate forms instead of a cleavage furrow</p>	<p>300</p> <p>What is the name of tissue that protects food from entering the trachea?</p> <p>a. epiglottis</p>	<p>300</p> <p>After the right ventricle, blood flows to the:</p> <p>a. lungs (pulmonary artery)</p>	<p>300</p> <p>This type of tissue protects and covers the human body.</p> <p>a. epithelial tissue</p>
<p>400</p> <p>What are sister chromatids?</p> <p>a. identical copies of a chromosome strand</p>	<p>400</p> <p>Very active cells, like muscle cells, tend to be smaller than fat storage cells. Why do you think that is?</p> <p>a. diffusion of nutrients and gases are exchanged at a much higher rate</p>	<p>400</p> <p>What is the correct order of organs in the digestive system, not counting the mouth?</p> <p>a. esophagus, stomach, S.I. L.I., rectum</p>	<p>400</p> <p>After its trip through the body, the blood first enters the heart in _____</p> <p>a. The right atrium</p>	<p>400</p> <p>What is the function of ciliated epithelial cells?</p> <p>a. filter out any foreign material that may enter the system</p>
<p>500</p> <p>The process in which cancer cells break away from the original (primary) tumour and move to a different part of the body is called:</p> <p>a. metastasis</p>	<p>500</p> <p>Three reasons for cell division include:</p> <p>a. growth, repair, and reproduction</p>	<p>500</p> <p>Imagine a disease where the smooth muscles stop working. What consequences would this disease have?</p> <p>a. Peristalsis would cease, no food movement through GI tract, no nutrient absorption – lead to weakening / possible death</p>	<p>500</p> <p>Name the correct order of blood flow through the 4 heart chambers</p> <p>a. right atrium, right ventricle, left atrium, left ventricle</p>	<p>500</p> <p>As you travel to higher altitudes, the concentration of gases in the air, including oxygen, decreases. What effect does this environment have on your breathing?</p> <p>a. less O<sub>2</sub> = rapid breathing</p>