

Science 8: Module 1 Test Outline

Test format: the test has the following types of questions; matching, multiple choice, true-false, short answer, and paragraph answers. You will also be asked to label some diagrams.

To prepare for the Module 1 Test I recommend you do the following:

- go over any new terminology and ensure that you can define the terms
- read over the 'Overviews' at the beginning of the Module and the sections
- re-do **some** of the guided practice questions and the section assignment questions
- **go over the specific outline below--treat it as a series of questions and answer them on a separate sheet of paper.**

The following a list of the concepts that you are responsible for knowing for the test. Use this list along with the suggestions above to help you to prepare for the test.

- identify the characteristics of living things (lesson 1.1A)
- write out the word equation for cellular respiration (lesson 1.1A)
- write out the word equation for photosynthesis (lesson 1.1A)
- describe the structure and function of cell organelles (lesson 1.1B)
- identify cell organelles in a diagram (lesson 1.1B & C)
- list similarities and differences between cell types; plant, animal, and bacteria (lesson 1.1C)
- describe examples of how bacteria that are helpful to humans (lesson 1.1C)
- explain diffusion using examples (lesson 1.1D)
- explain osmosis using examples (lesson 1.1D)
- define the terms tissue, organ, and organ system (lesson 1.2A)
- label the parts of the different body systems (lessons 1.2B - E)
- describe the functions of the circulatory system (lesson 1.2B)
- describe the three types of blood vessels (lesson 1.2B)
- identify the approximate amount of blood contained in the human body (lesson 1.2B)
- describe the parts of the heart (lesson 1.2B)
- explain how the heart pumps blood (lesson 1.2B)
- list the names and functions of various parts of the digestive system (lesson 1.2C)
- describe how food is broken down in the mouth (lesson 1.2C)
- explain what happens to food after it is swallowed (lesson 1.2C)
- describe what happens to food when it reaches the stomach (lesson 1.2C)
- explain what happens to the liquid food in the small intestine (lesson 1.2C)
- describe the role of the liver and the pancreas (lesson 1.2C)

- explain how to test foods for the presence of starch using iodine
- identify waste products produced by animals or plants and explain why they must be eliminated from the body (lesson 1.2D)
- describe the parts of the excretory system (lesson 1.2D)
- explain how our bodies make sure we get enough oxygen (lesson 1.2 E)
- describe the various parts of the respiratory system (lesson 1.2 E)
- explain how we pump air into our lungs (lesson 1.2 E)
- describe gas transfer in the alveoli (lesson 1.2 E)
- identify the components of blood and explain their functions (lesson 1.2 F)
- describe how organ systems work together to obtain and transport nutrients, remove wastes, and exchange gases (lesson 1.2 G)
- describe factors that can negatively impact your body (lesson 1.3A)
- explain how to maintain a healthy immune system (lesson 1.3A)
- explain the difference between a viral infection and a bacterial infection (lesson 1.3A)
- explain how infectious diseases are transmitted (lesson 1.3A)
- identify the primary defence systems, including the skin, tears, ear wax, saliva, gastric juice, cilia and mucus (lesson 1.3B)
- identify the secondary defence systems (lesson 1.3C)
- list the 4 signs of inflammation (lesson 1.3C)
- identify phagocytic white blood cells as the major component of the secondary defence system (lesson 1.3C)
- identify white blood cells that produce antibodies as the major component in the tertiary defence system (lesson 1.3D)
- some terms to define: peristalsis, enzyme, mechanical digestion, chemical digestion, elimination,
- Describe the Scientific Method

Once you are prepared to write the test, contact Ms. Thompson at the HLP to arrange a time to come in and write it.

If you have any questions or concerns, contact Ms. Thompson at the HLP (250-770-7718 ext 5, cthompson@summer.com)

Good luck!