

Topic 1 – A Hair-Raising Dilemma

- Hippocrates, known as the 'Father of Medicine', recommended willow bark be used to treat pain and fever. First Nations people used willow bark to make a medicinal tea. Willow bark acts like ...
 - aspirins
 - proteins
 - vitamins
 - enzymes
- The process of digestion breaks down the chemicals present in food. Chemicals which are organic compounds contain ...
 - hydrogen
 - oxygen
 - carbon
 - nitrogen
- The organic compounds that are an energy source for metabolism are the ...
 - Lipids
 - Proteins
 - Nucleic Acids
 - Carbohydrates
- Special protein molecules that regulate chemical reactions in living organisms are ...
 - lipids
 - enzymes
 - vitamins
 - catalysts
- Maltose + Water → Glucose**
 $C_{12}H_{22}O_{11} + H_2O \rightarrow 2C_6H_{12}O_6$
This word equation is an example of a substance that has been broken down in the body by ...
 - photolysis
 - photosynthesis
 - hydrolysis
 - metabolism
- Iron is a crucial part of red blood cells, which job it is to ...
 - transport oxygen
 - fight infection
 - stop bleeding
 - store energy
- The amount of a substance that provides an organism with the best health is called the ...
 - maximum output
 - extreme level
 - required amount
 - optimum amount
- Canada's Food Guide helps you to maintain proper health and take in the right amounts of nutrients on a daily basis. The four groupings included in this guide are ...
 - Fruit and vegetables – milk products – breads and cereals – meat and alternatives
 - Meat and potatoes – bread and fibre – fruit and salads – milk and cheese
 - Fruit and vegetables – bread and fibre – milk products – Meat and potatoes
 - meat and alternatives – breads and cereals – fruit and salads – milk and cheese
- To make organic compounds, plants take in ...
 - water and trace elements
 - inorganic compounds
 - glucose and maltose
 - organic molecules

10. When water moves through the walls of the plant's roots from an area where there are more water molecules to an area where there are fewer water molecules this process has occurred ...
- A. osmosis
 - B. diffusion
 - C. dilution
 - D. active transfer
11. Some organisms attach themselves to it or get their nutrients from it. This material, on which an organism moves or lives, is called a ...
- A. niche
 - B. substrate
 - C. ecosystem
 - D. habitat
12. The three numbers on a bag of fertilizer refer to the percentage of chemicals used as plant nutrient supplements. A bag of fertilizer containing **5 - 10 - 5** means there are equal amounts of two chemicals and twice as much of this chemical ...
- A. carbon
 - B. nitrogen
 - C. phosphate
 - D. potassium
13. Crop production has doubled worldwide due to the use of ...
- A. genetic crops
 - B. organic nutrients
 - C. inorganic minerals
 - D. artificial fertilizers
14. The planting of only one crop increases the chance of disease spreading through the entire crop. This type of farming practice is called ...
- A. strip farming
 - B. monoculture
 - C. summer fallow
 - D. irrigation
15. The most common elements present in the Earth's crust are
- A. silicon, iron, oxygen
 - B. sodium potassium, silicon
 - C. calcium, hydrogen, magnesium
 - D. oxygen, carbon, nitrogen