

REVISION WORKSHEET 1

- Select the correct statement
 - Heterotrophs do not synthesise their own food
 - Heterotrophs utilise solar energy for photosynthesis
 - Heterotrophs synthesise their own food
 - Heterotrophs are capable of converting carbon dioxide and water into carbohydrates
- Which is the correct sequence of parts in human alimentary canal?
 - Mouth → stomach → small intestine → oesophagus → large intestine
 - Mouth → oesophagus → stomach → large intestine → small intestine
 - Mouth → stomach → oesophagus → small intestine → large intestine
 - Mouth → oesophagus → stomach → small intestine → large intestine
- If salivary amylase is lacking in the saliva, which of the following events in the mouth cavity will be affected?
 - Proteins breaking down into amino acids
 - Starch breaking down into sugars
 - Fats breaking down into fatty acids and glycerol
 - Absorption of vitamins
- The inner lining of stomach is protected by one of the following from hydrochloric acid. Choose the correct one
 - Pepsin
 - Mucus
 - Salivary amylase
 - Bile
- Which part of alimentary canal receives bile from the liver?
 - Stomach
 - Small intestine
 - Large intestine
 - Oesophagus
- A few drops of iodine solution were added to rice water. The solution turned blue-black in colour. This indicates that rice water contains
 - complex proteins
 - simple proteins
 - fats
 - starch
- In which part of the alimentary canal food is finally digested?
 - Stomach
 - Mouth cavity
 - Large intestine
 - Small intestine
- Choose the function of the pancreatic juice from the following
 - trypsin digests proteins and lipase carbohydrates
 - trypsin digests emulsified fats and lipase proteins
 - trypsin and lipase digest fats
 - trypsin digests proteins and lipase on emulsified fats
- Which is the first enzyme to mix with food in the digestive tract?
 - Pepsin
 - Cellulase
 - Amylase
 - Trypsin
- Name the following - Organisms that cannot prepare their own food. _____
- Which of the following statements about the autotrophs is incorrect?
 - They synthesise carbohydrates from carbon dioxide and water in the presence of sunlight and chlorophyll
 - They store carbohydrates in the form of starch
 - They convert carbon dioxide and water into carbohydrates in the absence of sunlight
 - They constitute the first trophic level in food chains
- In which of the following groups of organisms, food material is broken down outside the body and absorbed?
 - Mushroom, green plants, Amoeba
 - Yeast, mushroom, bread mould
 - Paramecium, Amoeba, Cuscuta
 - Cuscuta, lice, tapeworm
- Which of the following is most appropriate for aerobic respiration?
 - Glucose mitochondria → Pyruvate cytoplasm → $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$
 - Glucose cytoplasm → Pyruvate mitochondria → $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$
 - Glucose cytoplasm → Pyruvate + Energy mitochondria → $\text{CO}_2 + \text{H}_2\text{O}$
 - Glucose cytoplasm → Pyruvate + Energy mitochondria → $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$
- The correct sequence of anaerobic reactions in yeast is
 - Glucose cytoplasm → Pyruvate mitochondria → Ethanol + Carbondioxide
 - Glucose cytoplasm → Pyruvate cytoplasm → Lactic acid
 - Glucose cytoplasm → Pyruvate mitochondria → Lactic acid
 - Glucose cytoplasm → Pyruvate cytoplasm → Ethanol + Carbondioxide