

LATEEF ABDULATEEF ADEREMI

Biology Assignment

(1a) What is excretion

Excretion is defined as the elimination of waste product of metabolism from the body of an organism. In other word, it is the removal of metabolic waste from the body of an organism. It is one of the major ways the body maintain homeostasis.

(1b) List 5 importance of excretion

The importance of excretion are:

- ① Eliminating waste products such as urea, uric acid, and other chemical, via urine
- ② Maintaining the osmotic level of blood and plasma
- ③ Maintaining the electrolyte balance in the body
- ④ Aiding the metabolism of drugs that do not get metabolized in the liver
- ⑤ It help to maintain salt balance in the body

② Explain 3 types of asexual reproduction

① Binary fission - It is a process of asexual reproduction in unicellular organism in which a single cell divides into two equal parts by mitosis to produce two new daughter cells

② Budding - It is the process of producing an individual through the buds that develop on the parent body. Hydra is an organism that reproduces by budding. The bud derives nutrition and shelter from the parent organism and detaches once it is fully grown

③

③ Spore formation - is another means of asexual reproduction. During unfavourable conditions, the organism develops sac-like structure called sporangium that contain spores. When the condition are favourable the sporangium burst open and spores are released that germinate to give rise to new organisms.

③b) List 2 Importance of reproduction

The Importance of reproduction are:

- ① Reproduction is a necessary step in the process of creating new species through genetic recombination.
- ② Reproduction has the potential to save a wide range of species from extinction.