**CLASSIFICATION 1**

1.

(a) Binomial nomenclature is a system of naming organisms by giving them two scientific names, the generic and the specific names.

(b) - It makes it easier to identify an organism.

- It is easier to describe an organism as it is based on characteristics of the organism

- Large number of organisms are divided into smaller groups depending on characteristics

- The whole world uses the same groupings, so everyone understands each other.

2. (a) Classification – placing of animals and plants into group according to their

similarities in structure, physiological processes and ancestry.

* 1. Taxonomy - scientific study of classification.
  2. Binomial nomenclature- system of naming using two names. The first part

of the name represents the genus (generic name) while the second part refers to species or is the specific name.

3.

(a) - Nucleus not organized

- Organelles not bound by membrane

- Absence of mitochondria

(b) Class insecta

4. Genus

5. Specific name

6. Species – A species is the smallest unit of individual organisms which has hereditary distinction from that of any other group and whose members naturally interbreed to produce fertile offspring

7. Taxonomy- Scientific study of classification

8. Taxon- Each group of classification