

Gammatetrasporium moniliformis
 1882
 1882

Ascomycota

1. Classification of groups according to Kew's grouping of 1882

<u>Ditelmata</u>	<u>Crusts</u>
<ul style="list-style-type: none"> Trichophyta Ascomycota Phycomycota 	<ul style="list-style-type: none"> Phycomycota (algae) Ascomycota (fungi) Ascomycota (Glomerata) Ascomycota (Lecanora) Ascomycota (Pezizales) Ascomycota (Lecanoromycota) Ascomycota (Lecanoromycota) Ascomycota (Lecanoromycota) Ascomycota (Lecanoromycota)

2. How are objects of importance to man

- i. They serve as food
- ii. They serve as medicine
- iii. They are used in the manufacture of rubber
- iv. They serve as hosts of animals
- v. They have high mineral content

3 Describe a unicellular form of algae

Answer Chlamydomonas represents the unicellular and motile form of algae, found in stagnant water, strongly strong with other times.

Flagella are the structures for motility.

The cell is bounded by a cellulose cell wall.

The nucleus carries the genetic programme of the cell.

The stigma is for photo-reception.

The mitochondria mediate the elaboration of energy molecules.

Manufactured sugar is processed into starch in the pyrenoid.

4 How does this unicellular algae described in question 3 carry out reproduction?

Answer In chlamydomonas reproduction can be either vegetative (asexual) or sexual.

5. Differentiate between the a type of internal form of algae.

Prothecium	zoospore
It is a genus of green algae present in the cells held together in long masses.	It is a multicellular asexual zoospore.
It is a form of asexual zoospore.	Its sexual reproduction is by conjugation.

6. Describe a mixed culture form of algae.

Some facts:

A genus of brown algae where species are often found in rocks in the intertidal zones of the sea shores. The plants being is flattened, dichotomously branched thallus with a mid rib, a vegetative apical meristematic zone at apically and a subventral disk (crista gasa). Such algae plant is attached to rock surface by short woody or fibrous strands. It is often found in the form of forest in the rocks.