

**Q 10. What is the common name of Ulva?**

Ans. Ulva is called Sea-lettuce.

**Q 11. What is the difference between sporophyte and gametophyte of Ulva?**

Ans. The sporophyte of Ulva is diploid with 26 chromosomes and gametophyte is haploid with 13 chromosomes.

**Q 12. Describe the shape of Euglena?**

Ans. The shape of Euglena is roughly spindle-shape. Its anterior end is blunt and posterior is pointed.

**Q 13. Point out animal like characters of Euglena.**

Ans. The animal like characters of Euglena are presence of flagella, contractile vacuole and eye spot.

**Q 14. Point out plant like characters of Euglena.**

Ans. The plant like characters of Euglena are presence of chloroplasts and autotrophic nature i.e. it manufactures its own food.

## **ACTIVITY 7 — (Fungi)** **(Yeast, Penicillium, Ustilago)**

**Q 1. Name the kingdom and class of Yeast?**

Ans. The kingdom of yeast is Fungi and class is Ascomycetes.

**Q 2. Name the scientific name of Yeast?**

Ans. The scientific name of Yeast is Saccharomyces.

**Q 3. Give main features of Yeast cell.**

Ans. (i) The cell of Yeast is oval or spherical or polygonal, covered by cell wall.  
(ii) In the cell cytoplasm, nucleus and a large vacuole are present.

**Q 4. What is the role of Yeast in industry?**

Ans. The Yeast is used in the preparation of bakery items and alcohol.

**Q 5. What is the systemic position of Penicillium?**

Ans. Penicillium is a fungus, its class is Ascomycetes.

**Q 6. Give the vegetative structure of Penicillium.**

Ans. The body of Penicillium is called mycelium, which is branched and septate. Its branches are called hyphae.

**Q 7. What type of asexual and sexual reproduction takes place in Penicillium.**

Ans. In Penicillium asexual reproduction takes place by conidia. Sexual reproduction takes place by the formation of antheridia and ascogonia.