Objectives: 1. Draw and label a picture of a sponge. 2. Describe the function of choanocytes and amoebocytes.

**Sponge structures:**
- **Ostia:** tiny pores on the sponge where water enters
- **Oscula:** larger openings where water leaves the sponge

**Choanocytes:**
- Flagellated cells that create a current by moving their flagella in unison
- Choanocytes can also trap tiny organisms forming vacuoles

**Amoebocytes:**
- Amoeba-like cells found in the interior of the sponge
  - They can transport nutrients from the choanocytes to the other cells of the sponge.

**Sponge Skeleton**
- **Spicules:** sharp needles of silica or calcium carbonate that make up the skeleton?
- **Spongin:** Flexible protein fiber that makes up the skeleton of most sponges.

**Sponge Reproduction**
- Sponges can reproduce sexually and asexually.