

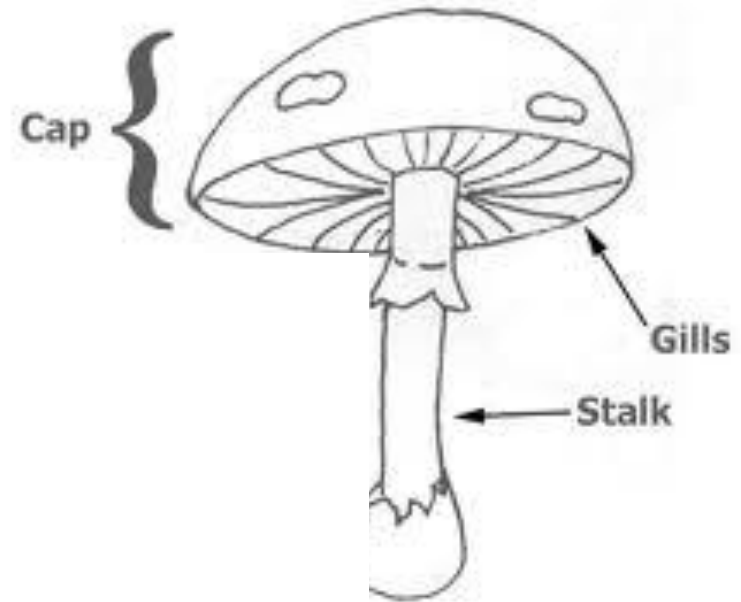
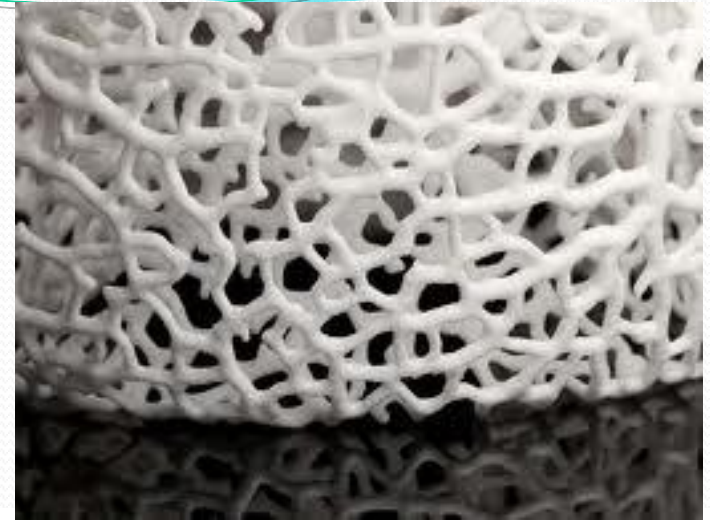
Fungi Kingdom

Fungi Characteristics

- All Fungi:
- Are Eukaryotes
- Use spores to reproduce
- Are heterotrophs
- Have a Cell Wall made of chitin

Fungi Cells

- Most are multicellular
- Bodies have several parts
 - **Hyphae**-bundles of cells
 - Can be above or below ground
 - **Stalk**-supports the cap
 - **Cap**-holds the gills
 - **Gills**-cells that make spores



How do Fungi eat?

- Grow hyphae into their food
- Ooze digestive chemicals from hyphae
- Hyphae absorb the digested food



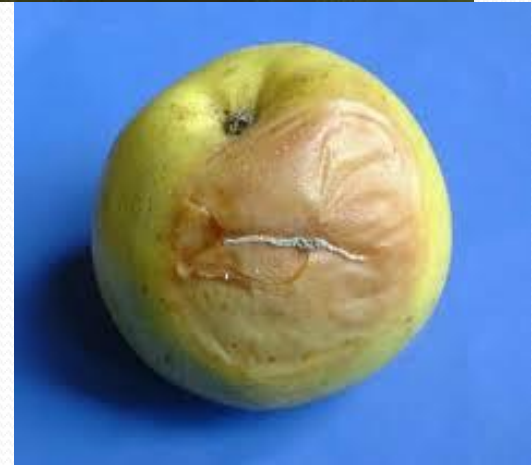


Fungi Reproduction

- Asexual
 - Fungus makes **spores** in the cap
 - Spores are released, grow new fungi where they fall
- Sexual
 - Hyphae from 2 fungi grow together
 - Make a special cap that releases different spores

Penicillium expansum

- Fungus that produces penicillin, a drug that helps us fight bacterial infections
- Plant pathogen that causes apples to rot



Agaricus bisporus

- ‘Portobello Mushroom’
- Most common fungus used in cooking
- The ‘mushroom’ is where the spores are made

