

Macrofungi

Mainly slimy mass of protoplasm.
Myxomycota-slime mold

Has sac like mother cell containing 8 spores.
Ascomycota- Sac Fungi

Basidiomycota- 4 Spores on basidium →

Yellow

Red to orange

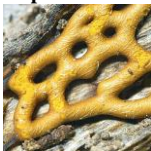
Yellow, ellipsoid to egg-shaped stalked fruiting bodies-

Leocarpus



Network of swollen, yellow veins-

Hemitrichia serpula



Fluffy pear shaped yellow fruiting bodies anchored in deep cup-

Hemitrichia clavata



Short cylindrical-3mm tall stalked fruiting bodies. Brick red to purple-brown-

Arcyria



15 cm fruiting bodies- cake like. Mature iridescent surface, young pink to rose red.

Tubifera ferruginosa



Cup-like fruiting bodies

Large stalkless

Thin, brittle with wavy outline-

Peziza



8cm across, bright orange fleshy thin and brittle-

Aleuria aurantia



Small cups

Bright yellow, 3 mm across, short stalk-

Bisporella citrina



Reddish purple lobes, swell to form gelatinous mass

Ascocoryne



1 cm across cupshaped to fan shaped bright to dark blue green-

Chlorociboria aeruginascens



Cups with hair

Cream-coloured cup with rolled in margin with white hair

Dasyscyphus



Bright red to orange with fringe of black hair around margin.

Scutellinia



Caps

Irregular lobed head (green or yellow)-

Leotia



Deep chambers in rows separated by dark ridges

Morchella



Wrinkled cap thimble shape-

Ptychoverpa



Fan-shaped head. Yellow-brown colour-

Spathulariopsis



Club like fruiting bodies

Yellow club shaped head with stalk-

Microglossum



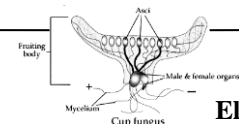
Black sticky tongue shape-

Geoglossum



Black finger-like with pimpled surface-

Xylaria



Elongated fruiting bodies

Spores produced inside the **Gasteromycetes**. Spores do not discharge directly into the

Puff Ball-
2 cm across- white persistent spines-

Lycoperdon curtisii



White outer wall, olive brown inner wall. Short rooting base-

L. candidum

White, cone-shaped spines, 5 cm across, with a short stock-like base-

Lycoperdon perlatum



Very large white when young-

Calvatia gigantea



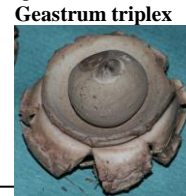
Fruiting bodies- 10 cm long Stalk pinkish and porous-

Mutinus ravenelii



Earth Star- outer wall split and the segment form pointed arms
5-10 cm across. Basal cup formed by reflexed arms. Has collar around base of spore sac.-

Gaeastrum triplex



Bird nest- looks like tiny nests of eggs

Fruiting bodies- 1 cm. Cone shaped. Eggs 1.5 mm across.-

Crucibulum laeve



Brown to black eggs and nest with age.-

Cyathus stercoreus

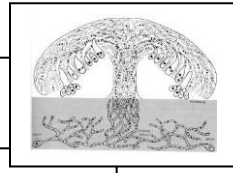


Basidiomycota- 4 Spores borne on basidium



Fruitbodies in a gelatinous matrix.
Phragmobasidiomycetes- Jelly

Spore produced on exposed surface lined with basidia. **Hymenomycetes**



Yellow Jelly

1-3 cm tall, slimy, gelatinous orange to orange yellow. Lobed or multi-lobed. Basidia turning-fork shape. **Dacrymyces palmatus**

Similar to above but paler colour.- **Tremella mesenterica**

Yellow-tall slender branched or unbranched jelly- **Calocera cornea**

Cup-shape and cone shaped droplet- **Heterotextus alpine**

White or purple Jelly

Whitish colour, 6 cm tall branching tree like at the apex **Tremellodendrops is semivestitum**

White colour tightly packed branched. Flattened, dry, not gelatinous. **Tremellodendron palladium**

Red-brown to purpleleafy jelly fungus- **Tremella foliaceae**

Spore produced by basidia covering the outside surface of the fruiting body. - **Coral**

Unbranched work like fungi, brittle cylindrical and slender, white yellow, rose- **Clavaria spp.**

Unbranched with club-shaped head- **Clavariadelphus**

White Branched fungi with flattened apex- **Clavulina cristata**

Densely branched, yellow to ochre, acutely pointed tip- **Ramaria spp.**

2-6 cm tall, white, open branches arising from inconspicuous stalk- **Ramariopsis kunzei**

Hymenium layer on the outside surface of tooth-like spines- **Tooth**

Open system with spines or tooth hanging down- **Hericium spp.**

Fleshy mushroom with toothes underside- **Hydnum spp.**

Woody looking funnel shaped cap with tooth underside- **Hydnum spp.**

Small mushroom with toothes underside growing on pine cones- **Auriscalpium vulgare.**

Spores produced inside tubes that lined the inside of fruitbodies (can look like pores and maze-like (hard mushroom)- **Bracket**

Funnel-shaped cap with concentric colour bands- **Coltricia spp.**

Shelving, overlapping thin tough fruiting bodies, velvety zonate- **Trametes versicolor**

Bracket-form, <50 x 30 cm. Woody smooth with concentric grooves. **Ganoderma spp.**

Shelving overlapping polypore 2-8 cm long, thin, with purple tooth.- **Trichaptum biforme**

Overlapping, narrow, thin, velvety, zonated, grey, brown- **Bjerkandera adusta**

Basidia on surface of tubes but mushroom is soft and fleshy- **Boletes**

Convex dry smooth to powdery cap. Tube tan, pore angular- Pink spore print, bitter taste- **Tylopilus felleus**

10-20 cm cap. Convex, slippery when wet, white flesh. tiny round pores- **Boletus edulis**

Cap 5-10 cm convex, dirt and covered with reddish scales on a yellow base.- **Suillus spraguei**

Cap, dry, hairy to woolly. Flesh white stained to blue when exposed to air. **Gyroporus cyanescens**

Cap, convex, fibrous, black scales. Flesh white- **Strobilomyces strobilaceus**

Basidia on surface of gills- **Gills**
Largest group. Classification based on:
Spore colour

Pink-spore, dark spore, brown spore, light spore

Gill attachment

Cap shape

Mushroom structures

Use Mushroom of Ontario and Eastern Canada as reference.