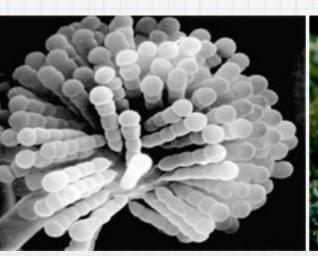
### \* Why did the mushroom get invited to the party?













#### \* Many are pathogens

### Athletes Foot

### Ringworm



#### \* Many are pathogens

### Athletes Foot

### Ringworm







#### \* Many are decomposers

#### DECOMPOSERS

They Consume (eat) dead plants \$ Animals and decomposes them-reduces them to simpler forms of matter:

### RIMARY DECOMPOSERS Fungi & Bacteria





#### \* Some species produce antibiotics







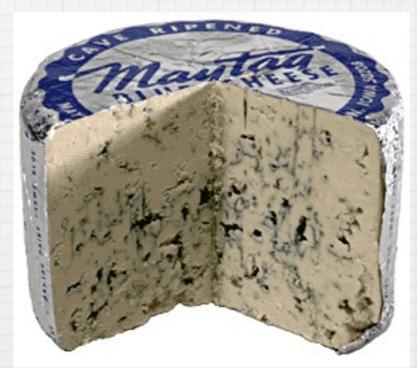


#### \* Many are a form of food



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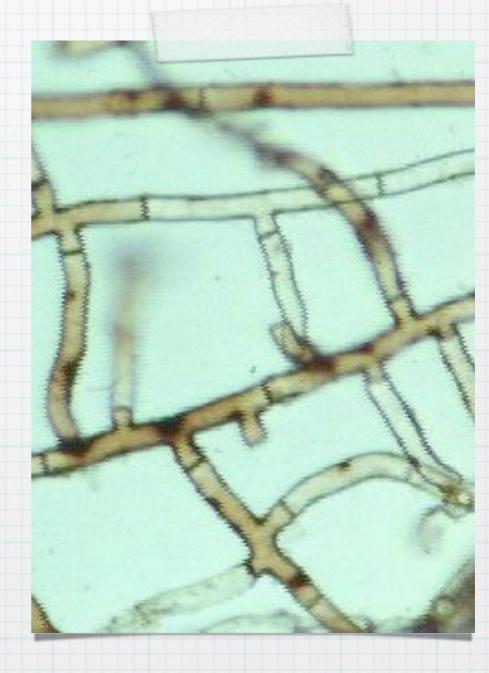


#### \* Yeast is a fungus used in bread and beer

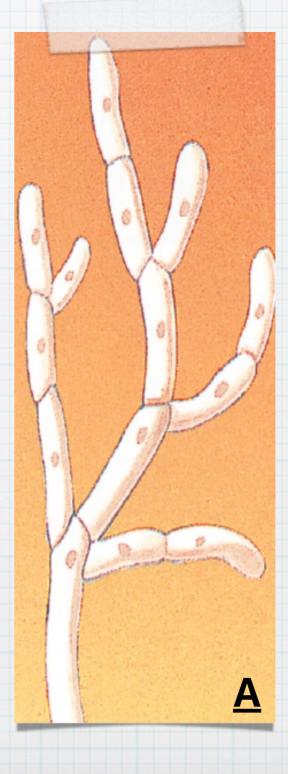
#### \* Yeast is a fungus used in bread and beer











- Mycelium formed by many intertwined hyphae
  - \* i.e. colony
  - usually forms on or below surface of soil

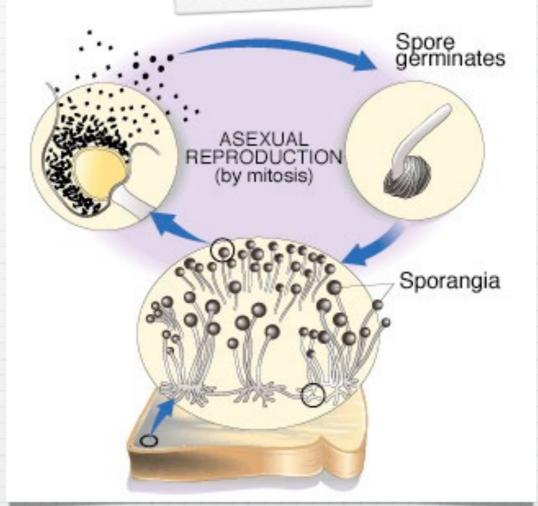


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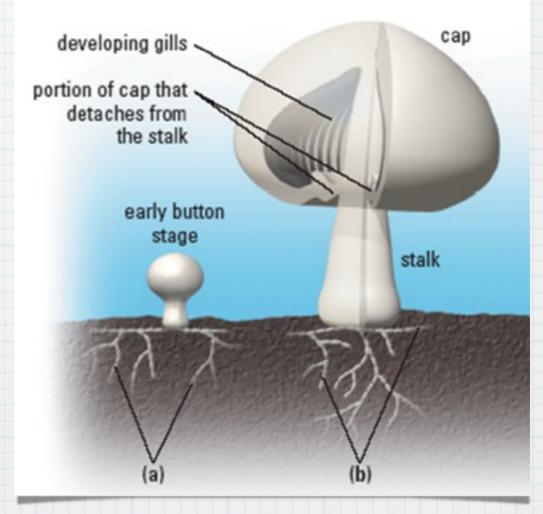
### Life Cycle - Asexual Reproduction

- \* unicellular reproductive cells (ie. made of one cell)
- formed in specialized spore cases called sporangia (um)



### Life Cycle - Sexual Reproduction

- \* 2 nuclei in specialized hyphae fuse
- \* grow into a mushroom
  (fruiting body)
- \* sexually produced spores form on the inside of the gills



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#### \* different from other fungi because:

#### \* unicellular

- \* reproduce asexually by budding
  - \* 1. nucleus doubles
  - \* 2. one nucleus moves into the bud

\* 3. bud grows & falls off to become a new yeast cell identical to parent

# Similarities between plants and fungus

- \* eukaryotic cells
- \* numerous organelles
- \* multicellular (\*except yeast)
- \* have cell walls
- \* anchored in soil
- \* stationary

\* reproduce asexually or sexually

# Differences between plants and fungus

Plants Fun	gus
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One nucleus per cell Autotrophs Have roots Cellulose in cell walls Reproduce by seeds Many nuclei per cell Heterotrophic No roots Chitin in cell wall No seeds