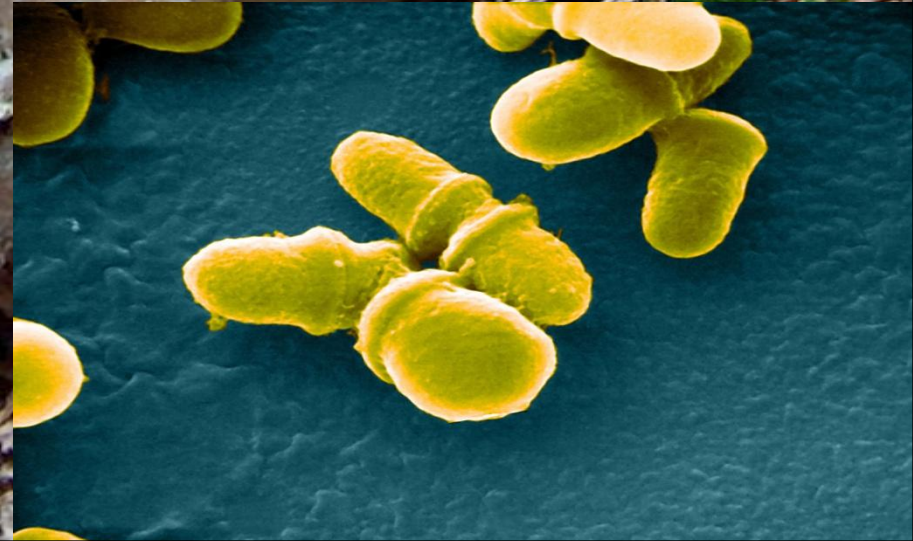
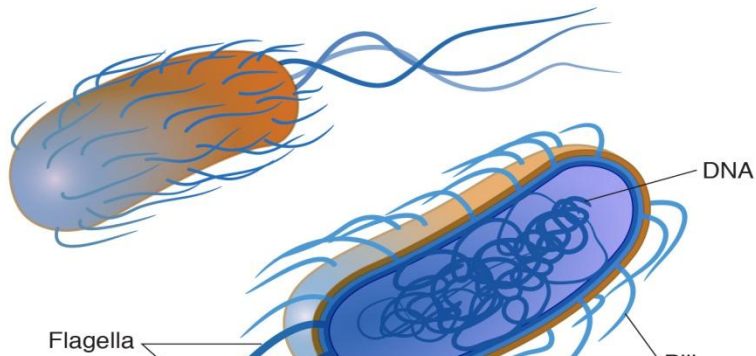


# BACTERIA AND FUNGI



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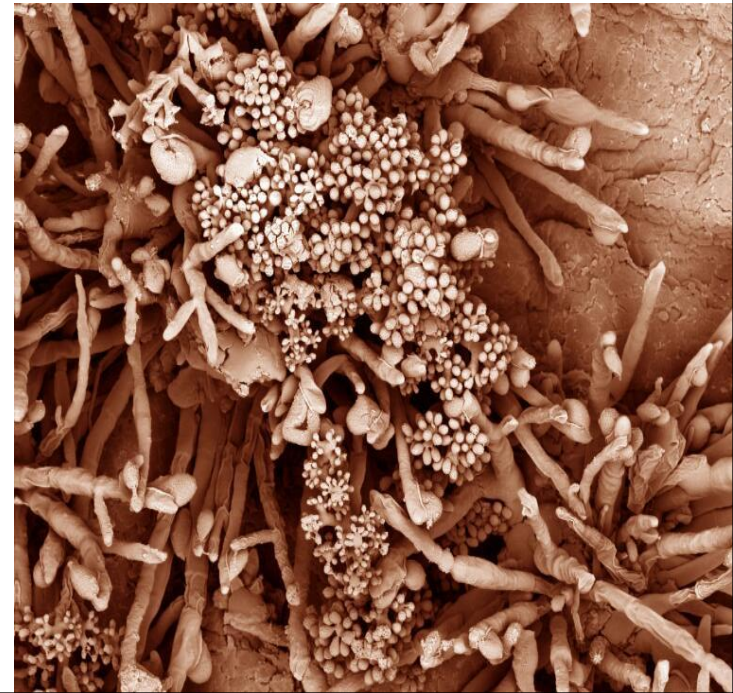


# Toadstools





# **Toadstools reproduce by means of spores**





**Toadstools are poisonous when eaten**

# **Signs and symptoms of toadstool poisoning may include**

**Nausea**

**Diarrhoea**

**Rapid heart beat**

**Headache**



# Puffballs





**Puffballs are used as styptics to stop bleeding**



**Puffballs are used as styptics to stop bleeding**





# Bracket fungus



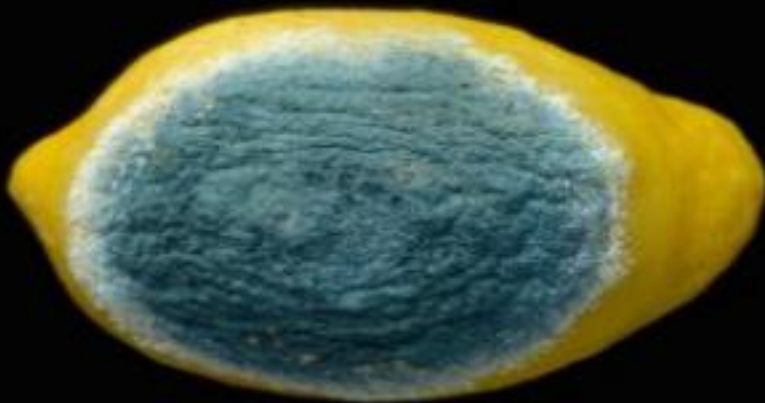


# Bracket fungus





# Moulds



**There are three examples of  
moulds namely**

**Penicillium moulds**

**Rhizopus / bread mould**

**Mucor**



# Penicillium moulds



# Penicillium moulds





# **Penicillium moulds are used in the making of penicillin antibiotic**

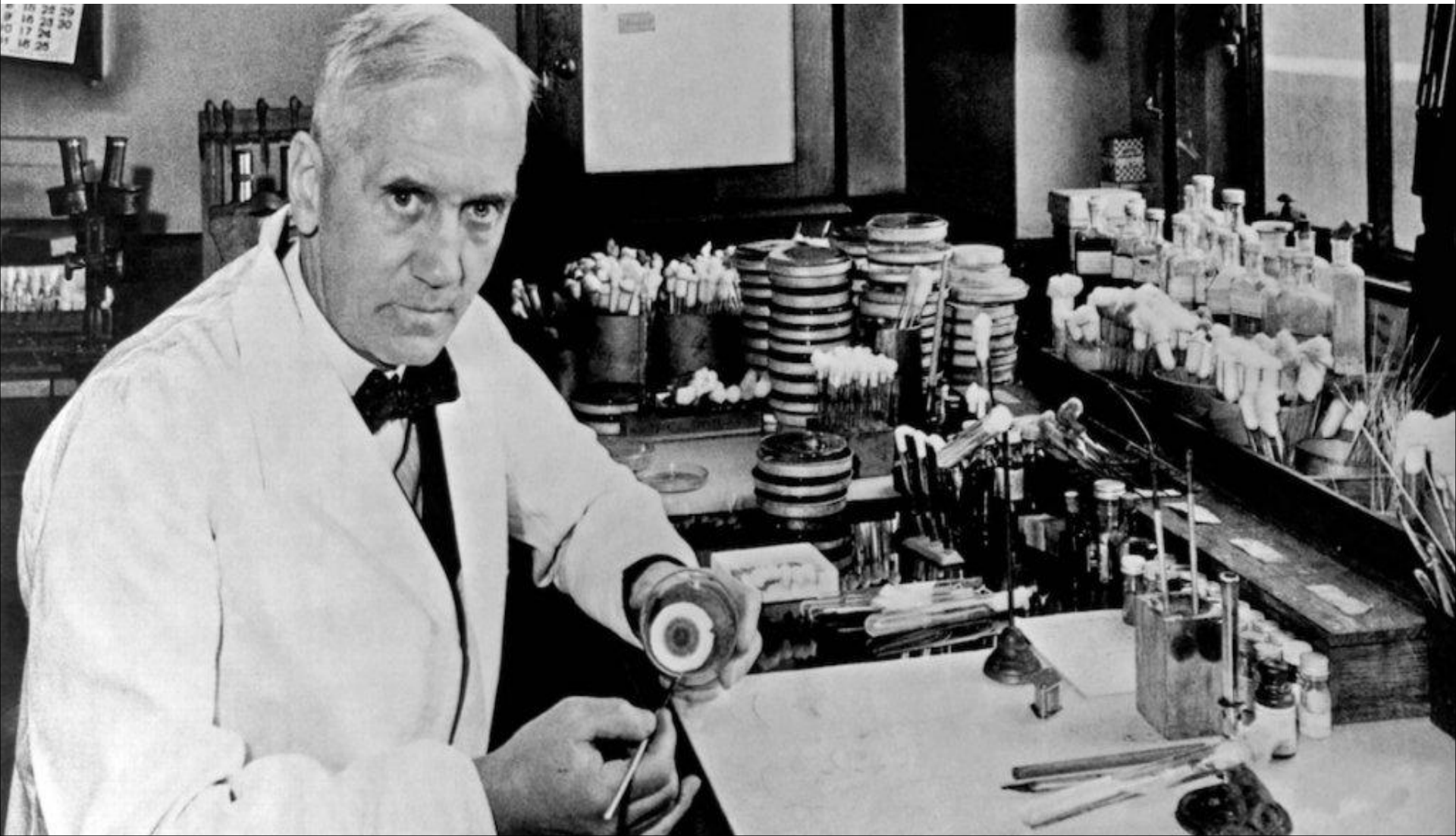


**Penicillin antibiotic can be used to treat a number of bacterial infections**





# **Penicillin antibiotic was discovered by Alexander Fleming**



# Rhizopus / bread mould





# Rhizopus / bread mould

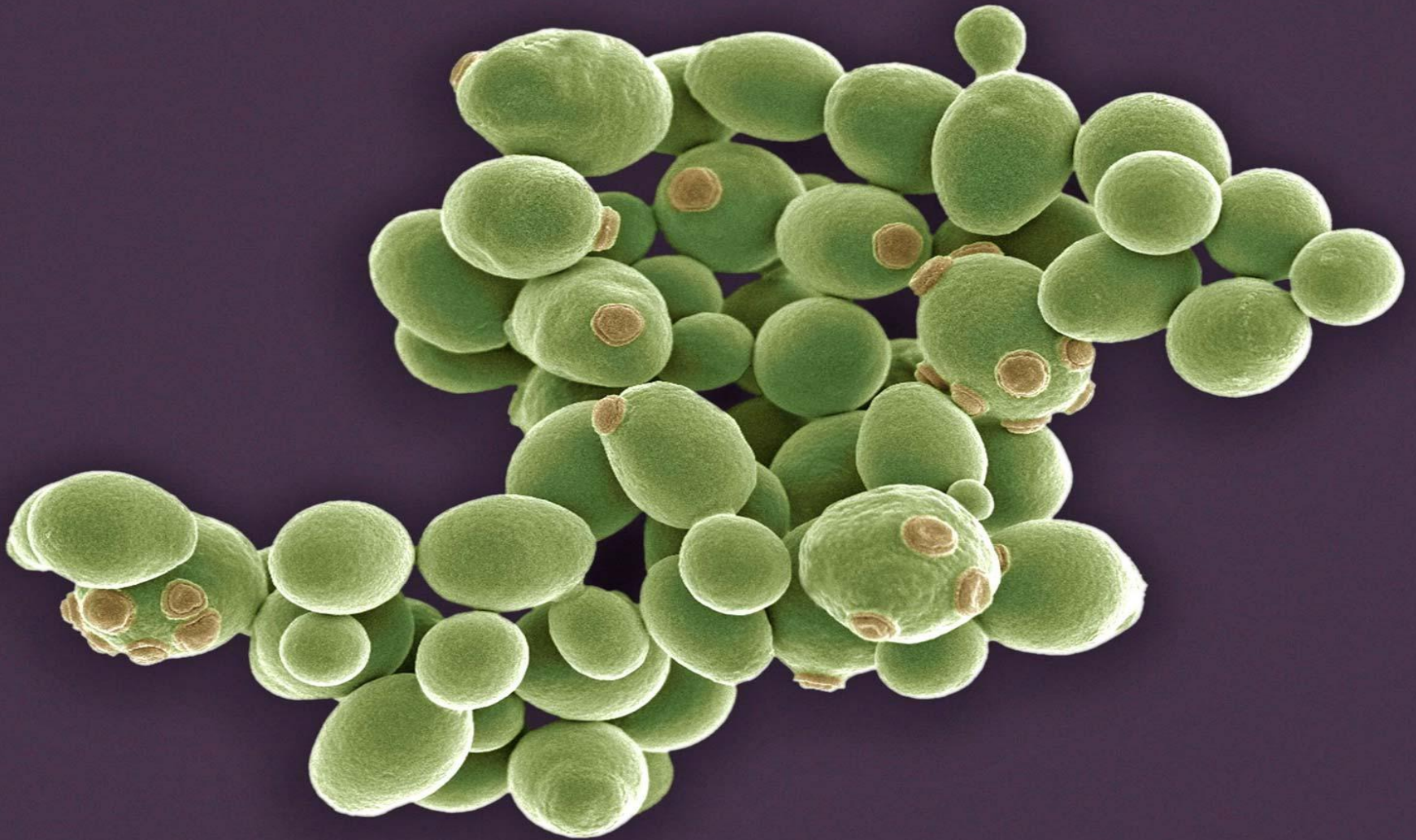


# Mucor





# Yeast



# **Yeast is used in baking**



**Yeast helps in the leavening of the dough**



**Yeast is also used in brewing**



**Yeast helps to convert sugar into alcohol**

# **Reproduction in fungi**

**Mushroom**

**By means of spores**

**Toadstool**

**By means of spores**

**Puffballs**

**By means of spores**

**Bracket fungus**

**By means of spores**

**Moulds**

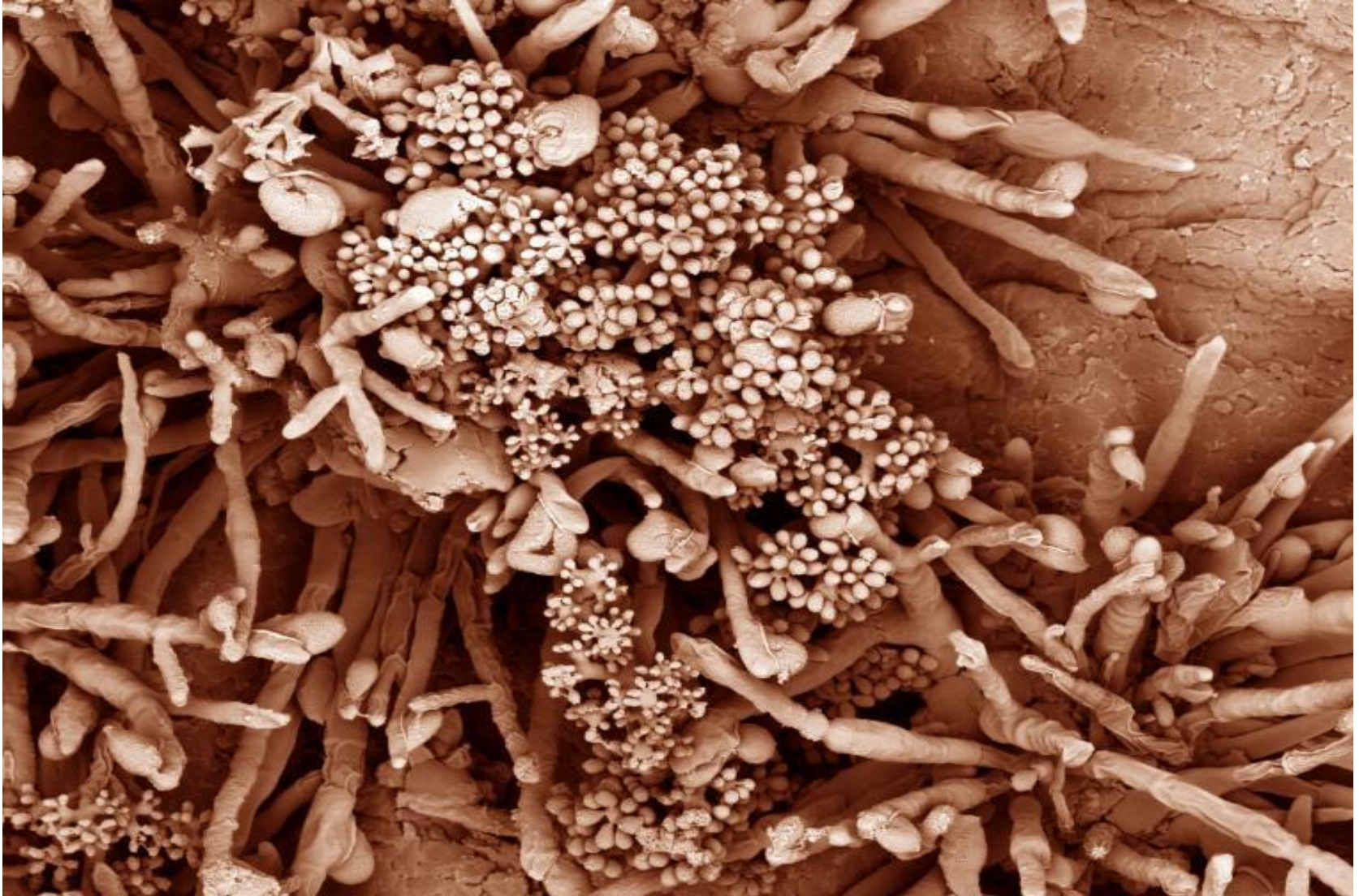
**By means of spores**

**Yeast**

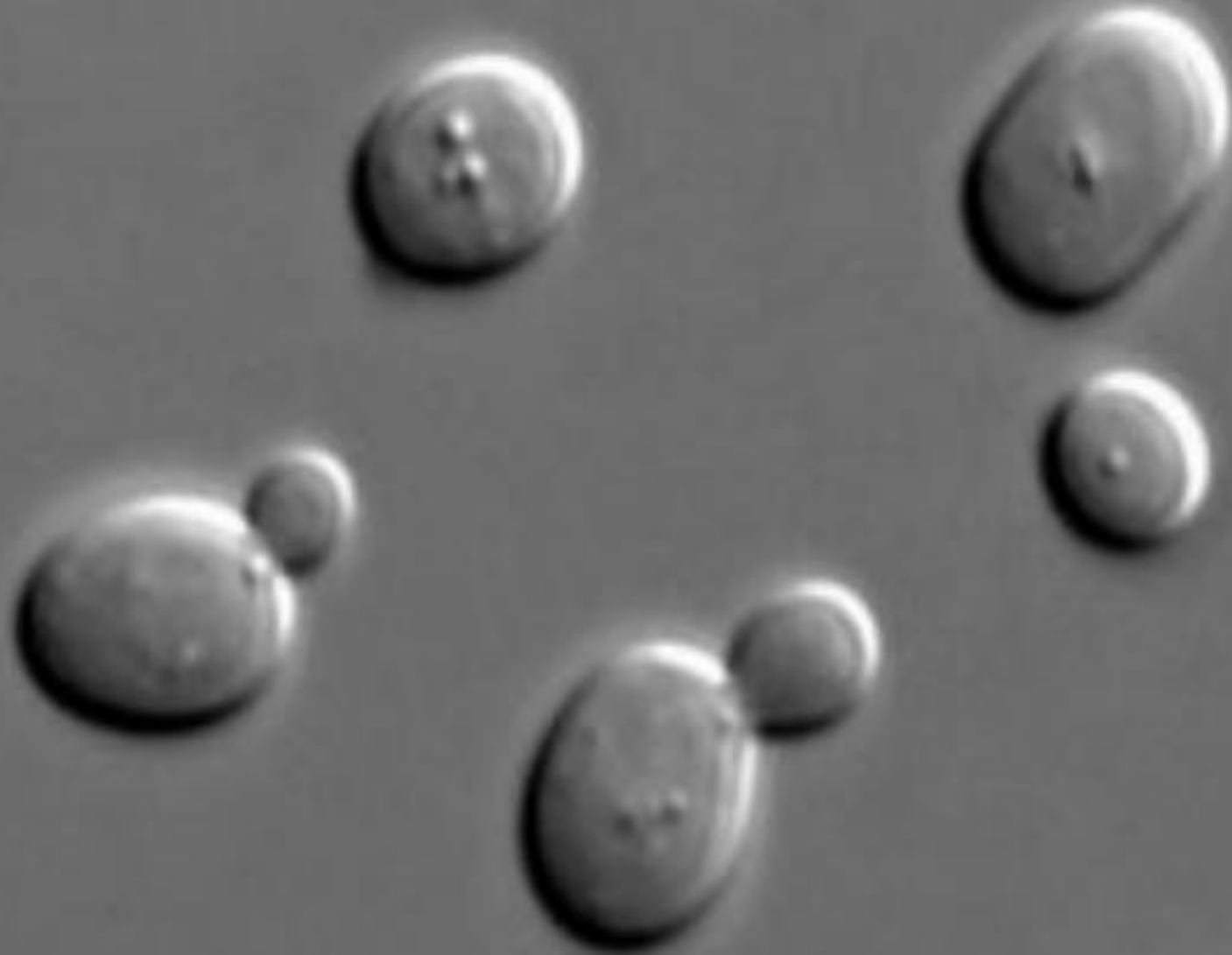
**By budding**



# Spores



# Budding in yeast





# **Examples of fungal diseases in people**

**Ringworm**

**Jock itch**

**Candidiasis**

**Athlete's foot**

# Ringworm





# Jock itch



# Athlete's foot





# Candidiasis



# **Examples of fungal diseases in plants**

**Tomato blight**

**Potato blight**

**Cigar end rot**

**Panama**

**Wheat leaf rust**

**Powdery mildew**



# Potato blight





# Potato blight





# tomato blight





# tomato blight



# Panama disease





# Panama disease





# Cigar end rot



# **Cigar end rot**



# **Powdery mildew**





# Powdery mildew



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# **ACTIVITY**

**1. Name any any one example of an**

**i) An edible fungus**

**ii) A parasitic fungus**

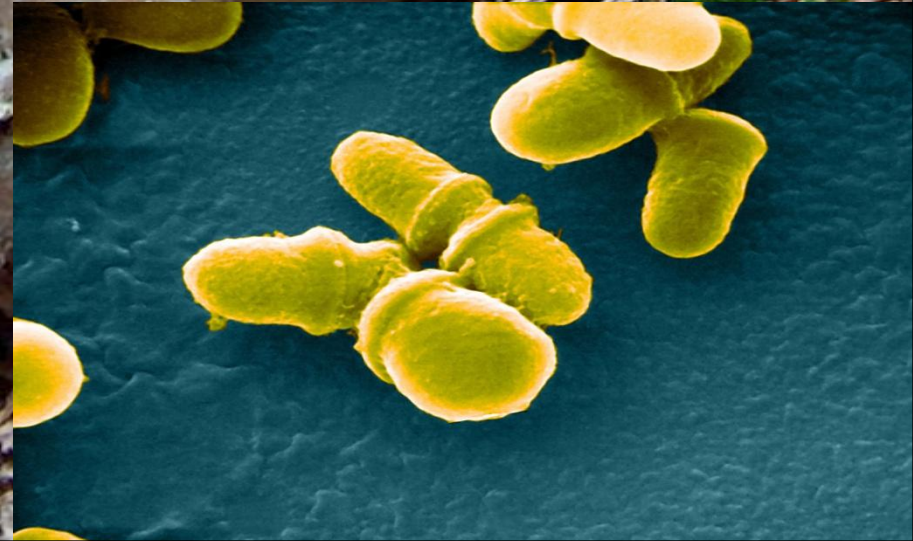
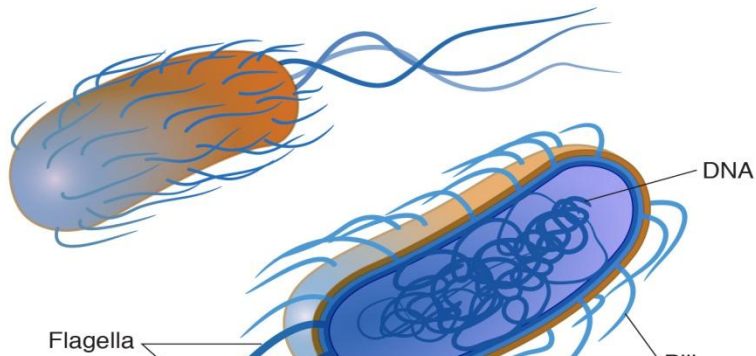
**2. Write down any two fungal diseases that affect bananas**

**3. In which way is the reproduction of yeast different from other fungi**

**4. State any one medical use of moulds**



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