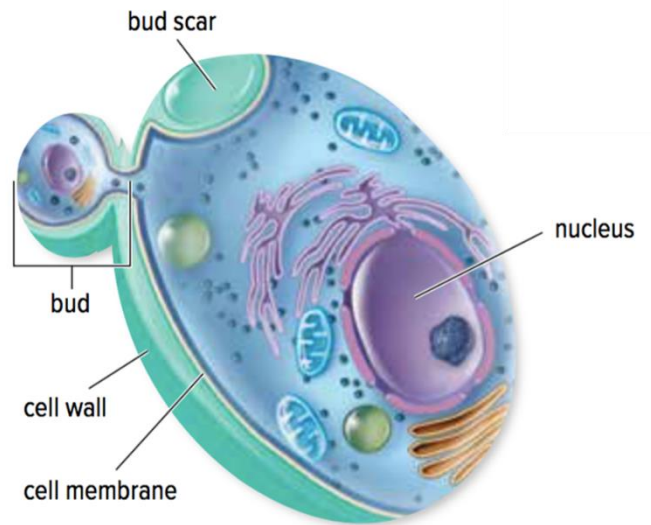


## Types of Asexual Reproduction Part 2!

- \_\_\_\_\_ are unicellular eukaryotic micro-organisms
  - Commonly used to make \_\_\_\_\_, bread, pretzels, \_\_\_\_\_, cheese, vinegar
- Reproduce by asexual reproduction:  
\_\_\_\_\_

### Asexual Reproduction in Yeast

- \_\_\_\_\_
  - Yeast cell grows a bud that \_\_\_\_\_ to become a separate cell
- New cell is \_\_\_\_\_ than original cell at first
  - Eventually grows to the \_\_\_\_\_ as other yeast cells
- Hydras and Sea sponges also use this reproduction method



### Question!

- How are Yeasts and Bacteria similar? Different?
- Compare the way in which both reproduce.
- As a group come up with one similarity and one difference

## Yeast Reproduction Lab ☺

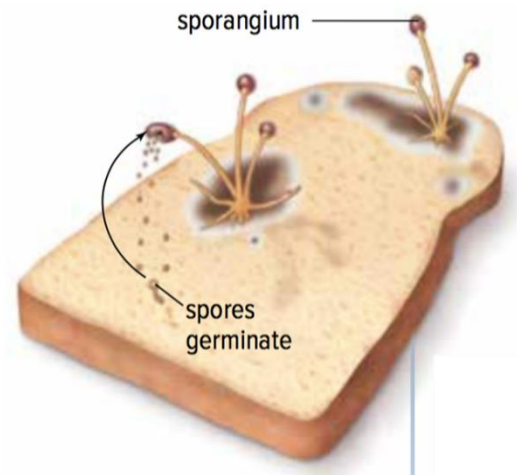
### What has happened?

Scenario:

One day at school you don't finish your sandwich at lunch. You put it in your locker to save it for later. You wrap the sandwich in plastic and put it in your locker. Unfortunately you forgot about the sandwich ☹ A week later you find it in the back of your locker but it is now covered with a black fuzzy material.....How did this happen?

Concept 4: Moulds reproduce using spores.

- \_\_\_\_\_ are composed of many eukaryotic cells
- Reproduce by asexual reproduction using \_\_\_\_\_
- The \_\_\_\_\_ appearance comes from how the long threadlike cells weave together.
- Mould can break down food to use as \_\_\_\_\_
- Moulds have structures that help it \_\_\_\_\_ to the food.



Asexual Reproduction in Moulds: Spores

- Moulds form \_\_\_\_\_ that are genetically identical to the mould cells they come from
- Spores are released into the \_\_\_\_\_ from a structure called a \_\_\_\_\_
- When a spore lands in a \_\_\_\_\_ environment (warm, moist), it grows and divides by \_\_\_\_\_

Concept 5: Plants have many ways to reproduce asexually.

- Plants reproduce \_\_\_\_\_

Asexual reproduction: \_\_\_\_\_

- *New plants grow from a portion of the roots, stems, or leaves from an existing plant*

New plants are \_\_\_\_\_ (copies) of the parent plant

Vegetative Propagation: Example

Potatoes:

- New roots and shoots grow from the \_\_\_\_\_ of a potato
- If you plant a potato with this new growth, a potato plant will \_\_\_\_\_
- The new plant will be \_\_\_\_\_ to the parent plant



### Artificial Vegetative Propagation

Artificial vegetative propagation uses techniques to produce plants with specific \_\_\_\_\_

- Used to produce trees with high-quality fruit or resistance to disease

## Examples of Artificial Vegetative Propagation

I will give each group a number

#1-Splitting

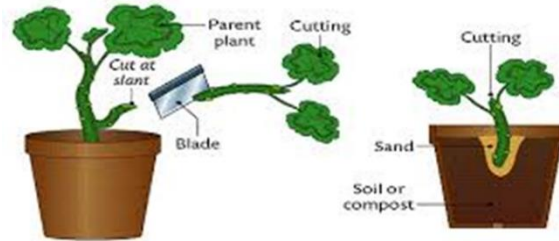
#2- Grafting

#3- Cutting

#4- Simple Layering

#5- Air Layering

#6-Tissue Culture



**Your job is to create a short presentation including some sort of visual (ie poster, powerpoint, ad etc) to explain your type of Vegetative propagation**