

**Feb 24, 2020**

Comic Strips Due

Forms of Asexual Reproduction

Asexual Reproduction Assignment

**Test Thursday Chapter 5!!!**

**Warm-Up**

1. During which phase of mitosis does cytokinesis occur?

## Reproduction and Cell Division

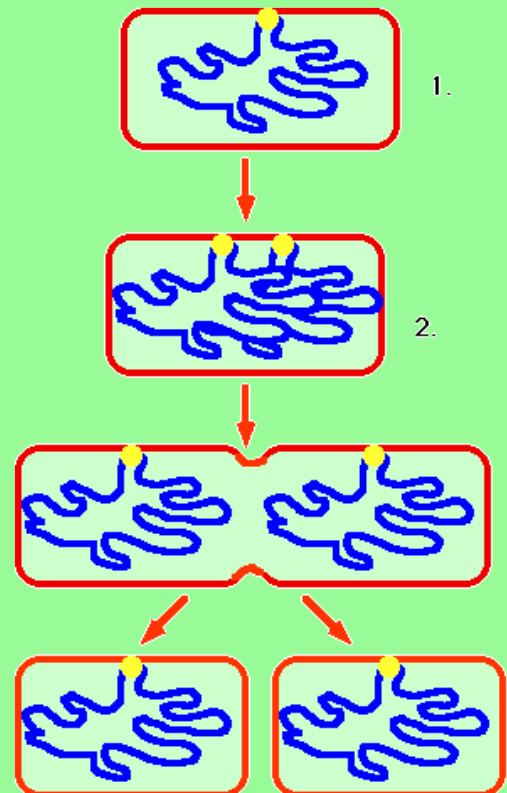
cell division is the process that cells come from preexisting cells. There are two types of cell division asexual and sexual.

**Asexual Reproduction** - a single organism gives rise to offspring with identical genetic information (mitosis, binary fission, budding etc)

**Sexual Reproduction** - genetic information from two cells is combined

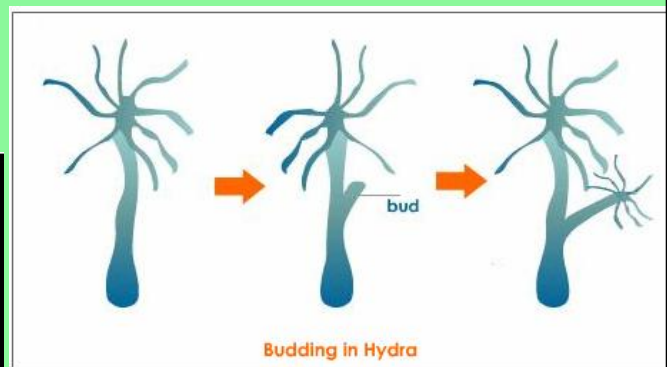
**Binary Fission** - organism splits into two equal sized offspring with a copy of the parent's genes.

occurs in organisms such as bacteria

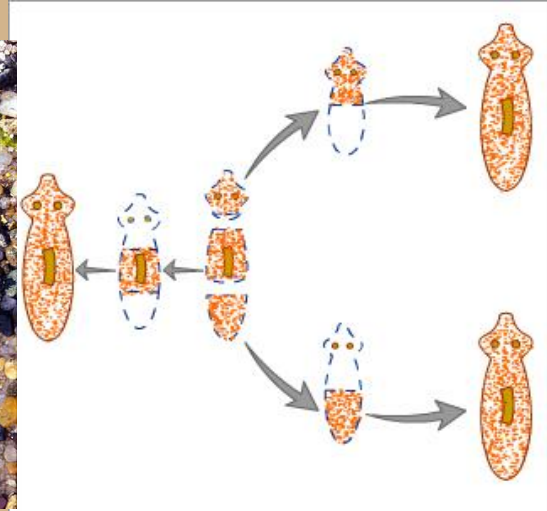


**Budding** - the offspring begins as a small outgrowth from the parent.

i.e. hydra



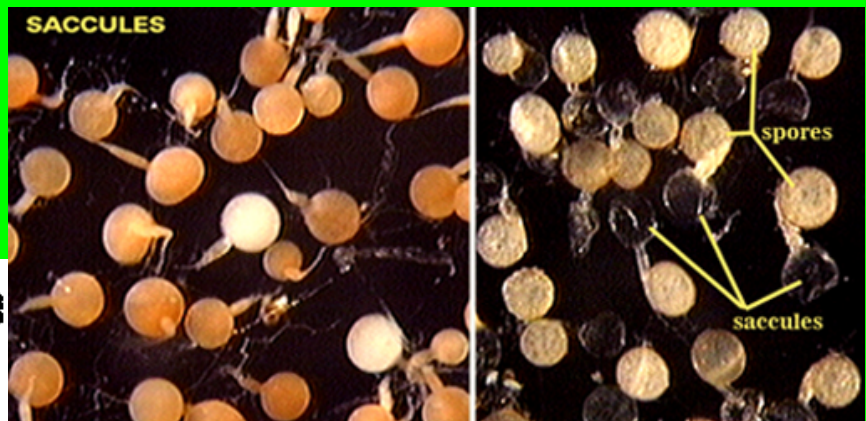
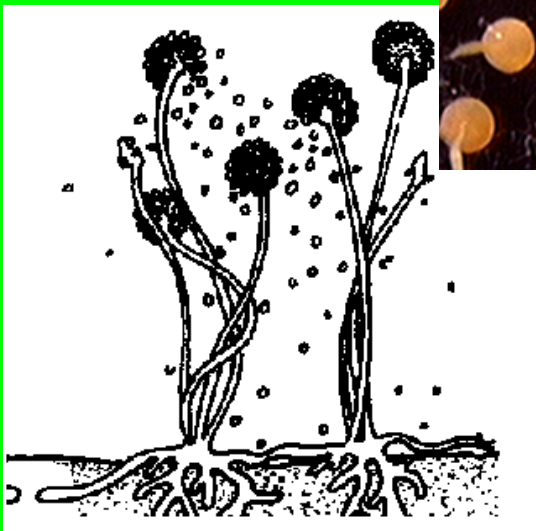
**fragmentation** - a new organism is formed from a part that breaks off from the parent.



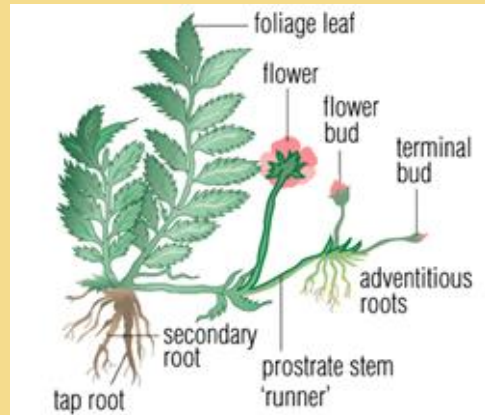
i.e. Starfish

**Spore formation** - the organism cells divide several times to produce identical cells called spores

i.e. mold



**vegetative reproduction** - organism produces runners that can develop into another plant.



i.e. spider plants  
strawberry plants

