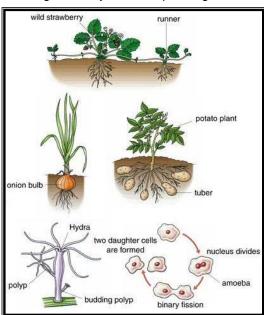
Asexual Reproduction

- ♦ Binary Fission: nuclear and cytoplasmic division is equal (ameba, paramecium)
- ♦ **Budding:**equal nuclear division, unequal cytoplasmic division
 - --unicellular yeast
 - --multicellular hydra
- Sporulation: spores produced are genetically identical to parent (fungi)
- ♦ **Regeneration:** the ability of an organism to develop a genetically identical organism from part of the parent organism (planaria, starfish) or to replace lost parts (lobster claw, lizard tail)
- **♦** Vegetative Propagation
 - --bulb: genetically identical plants grow from bulbs or underground stems (onions, tulips)



- --tuber: also a type of underground stem. New genetically identical plants grow from the buds of "eyes" of the tuber (potato, yam)
- **--runner:** plants have above ground horizontal stems that grow genetically identical plants along the stems (strawberry)
- --cutting: a part of the stem is rooted and planted will grow into a new gentically identical plant
- --graft: when a cutting is inserted into a cut in another tree. The cutting will develop its own fruit the host plant (stock) will continue to develop its own fruit. (cutting from a lime tree is matched to a branch on a rooted orange tree the cutting still produces limes and the rooted tree still produces oranges).

Sporulation – fungi

