





REPRODUCTION

Asexual reproduction

- One parent
- Offspring IDENTICAL to parents
- FAST regeneration time
- Examples: budding, binary fission, regeneration

The Cell Cycle

How often a cell divides depends on the type of cell:

- Skin cell  24 hours
- GI tract cells  24 hours
- Liver cells  1 year
- Nerve & mature muscle cells  never!

Prokaryotic cells  20 minutes

Sexual reproduction

- 2 parents
- Offspring SIMILAR to the parents
(50% mom's genes; 50% dad's genes)
- SLOW regeneration time
(over 9 months for humans)
- Examples: SEX (internal fertilization and external fertilization)



Benjamin
Cummins