**Cell REPRODUCTION (a STERNGRR process!)**



Prokaryotic cells:

**Why do cells divide?**

1.
2.
3.

\_\_\_\_\_\_\_\_\_\_\_\_\_

or “body” cells.

**MITOSIS:**

Eukaryotic cells:

Doubled

chromosome

**The Cell Cycle**

Mitosis

G2

G1

S

**Mitosis:**

46

\_\_\_

\_\_\_

**Interphase:**



 

Uncontrolled cell division:

 \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

**REPRODUCTION (of organisms) depends on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!**

|  |  |
| --- | --- |
| **Asexual** | **Sexual** |
| Parents \_\_\_\_\_\_\_\_\_\_\_Offspring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Cell division \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_12TYPES of asexual reproduction:1.2.3.4.5. | Parents \_\_\_\_\_\_\_\_\_\_\_\_46Offspring \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Cell division \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**MEIOSIS**Produces GAMETES Fertilization: Cons: + =   Pros:\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_(haploid) (haploid) (diploid) |



**INDEPENDENT ASSORTMENT**

Another source of genetic variation

Ex: What are the possible gametes that will be produced from this diploid cell?



\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MEIOSIS**