







**Multicellular**

**Unicellular**

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**Multicellular**

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**Multicellular**

**Unicellular**

**Multicellular**

**Unicellular**

**Organism**

**Organism**

**Sporophyte**

**Sporophyte**

**Organism**

**Organism**

**Sporophyte**

**Sporophyte**

**Organism**

**Organism**

**Gametophyte**

**Gametophyte**

**Organism**

**Organism**

**Gametophyte**

**Gametophyte**

**Diploid**

**Haploid**

**2n**

**n**

**Diploid**

**Haploid**

**2n**

**n**

**Diploid**

**Haploid**

**2n**

**n**

**Diploid**

**Haploid**

**2n**

**n**

**Meiosis**

**Meiosis**

**Spore**

**Gamete**

**Meiosis**

**Meiosis**

**Spore**

**Gamete**

**Meiosis**

**Meiosis**

**Spore**

**Gamete**

**Meiosis**

**Meiosis**

**Spore**

**Gamete**

**Fertilization**

**Zygote**

**Dikaryotic**

**n + n**

**Fertilization**

**Zygote**

**Dikaryotic**

**n + n**

**Fertilization**

**Zygote**

**Plasmogamy**

**Karyogamy**

**Fertilization**

**Zygote**

**Plasmogamy**

**Karyogamy**

**Mitosis**

**Cellular  
Specialization**

**Cellular  
Specialization**

**Mitosis**

**Mitosis**

**Cellular  
Specialization**

**Cellular  
Specialization**

**Mitosis**

**Mitosis**

**Cellular  
Specialization**

**Cellular  
Specialization**

**Mitosis**

**Mitosis**

**Cellular  
Specialization**

**Cellular  
Specialization**

**Mitosis**