**Alternation of Generations**

**Intro to Flower Anatomy**

Rattlesnake Orchid
http://www.shortcourses.com/naturelog/

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**Now onto plants**

**Alternation of generations**

The life cycle typically found in plants in which the spore producing generation alternates with the gamete producing generation.

Plants have 2 forms……..

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**The different forms**

- **Gametophyte**: The multicellular, haploid stage in the life cycle of plants.

- **Sporophyte**: The diploid form of a plant that produces, haploid, asexual spores through the process of meiosis – reduction division.

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**Figure 23.5a** Plant Biology, 4th

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Anatomy of a Flower

Male
- Produces pollen, which is transported via the wind or animal vectors to fertilize the female portions of a flower.
- Stamen: Anther Filament

Female
- Produces Ovules, which when fertilized will become seeds.
- Pistil: Stigma Style Ovary