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Class : Deg. I (Subs.)
Chapter : Fungi - Albugo
Topic : Life-cycle of Albugo candida (Continued):
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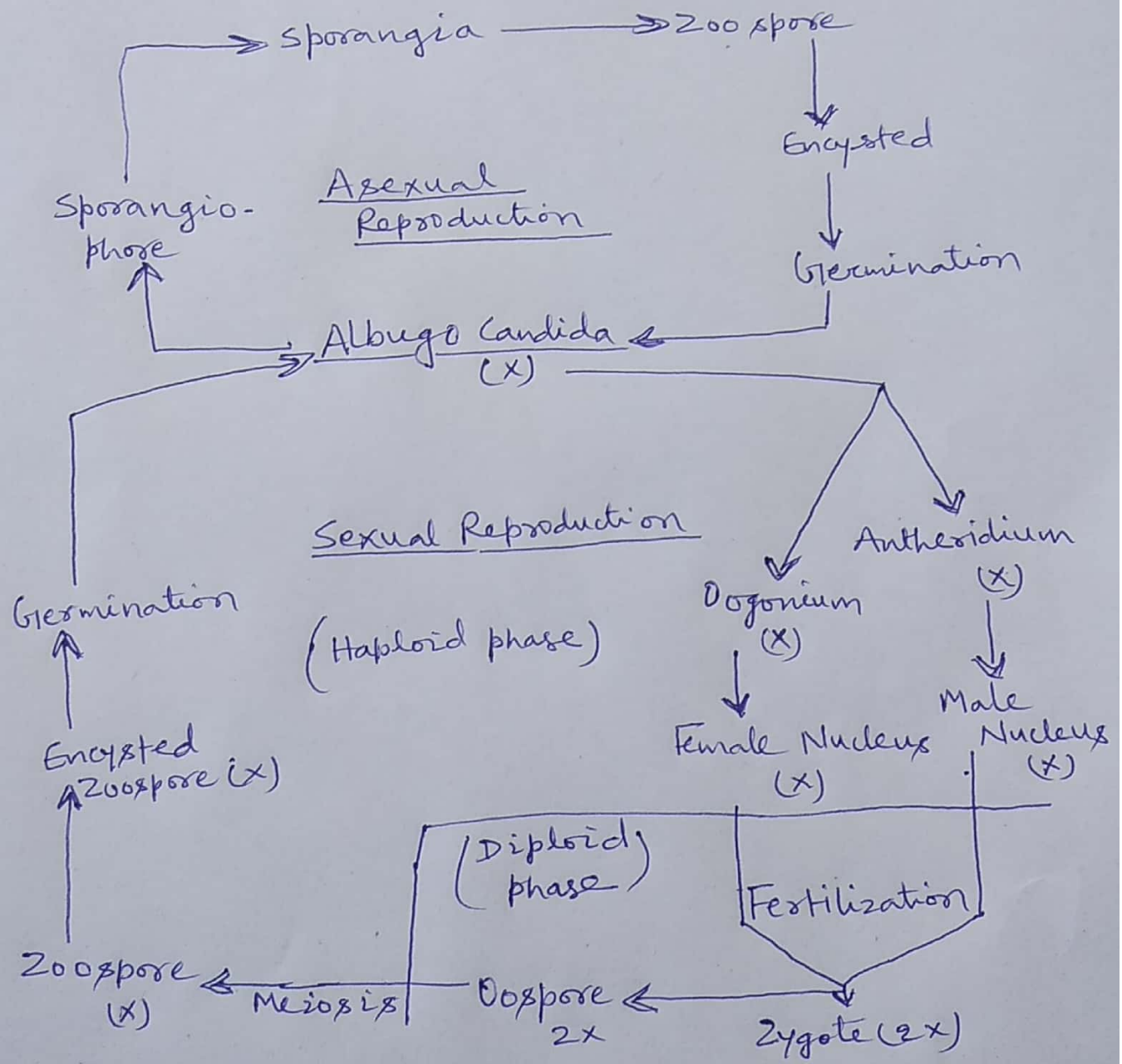
Life-cycle of Albugo candida (Continued):

- **Germination of Oospore:**

The diploid nucleus of oospore divides within a short time after fertilization: till the formation of 32 nuclei since the first division is reductional. The oospore undergoes a period of rest till the arrival of favourable condition.
Meanwhile, the host tissue disintegrates, living the oospore free.
On return of favourable condition, the nuclei of Oospore further divide to form up to 100 nuclei, which is followed by the cleavage of protoplasm. All the nuclei with a piece of protoplasm transform into biflagellate, remiform, naked, zoospore.
The exospore ruptures and the endospore bulges out as a vesicle. The zoospores migrate to the vesicle, which bursts later on making all the zoospores free in the film of water.

The zoospore swims in the film of water for a while with the help of flagella, becomes encysted and then germinates on a suitable host by producing germ pore.



(Fig: Graphic Life-cycle of Albugo)

(Complete)