

# Chapter 17

# Development

## Sexual Reproduction

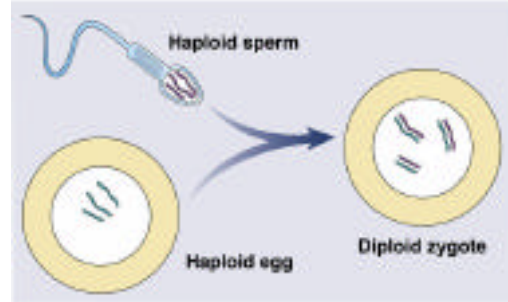


Fig. 17.1

## Embryonic Development - Fish



Fig. 17.2

## Developmental Research Organisms

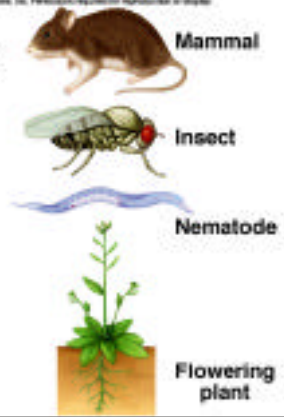


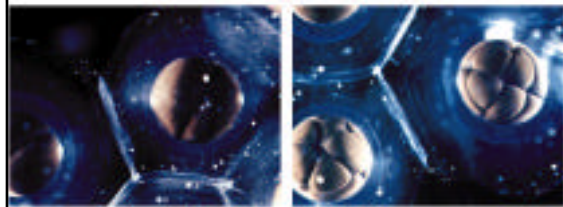
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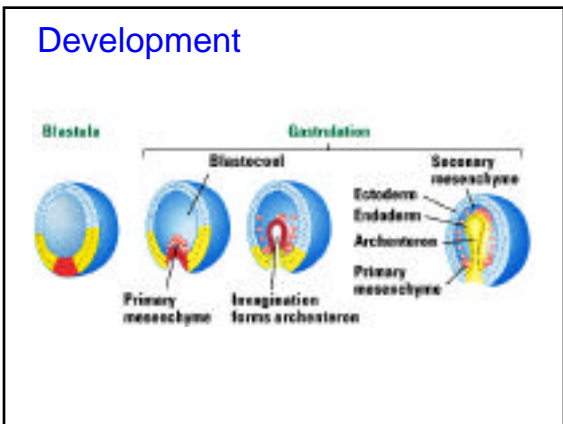
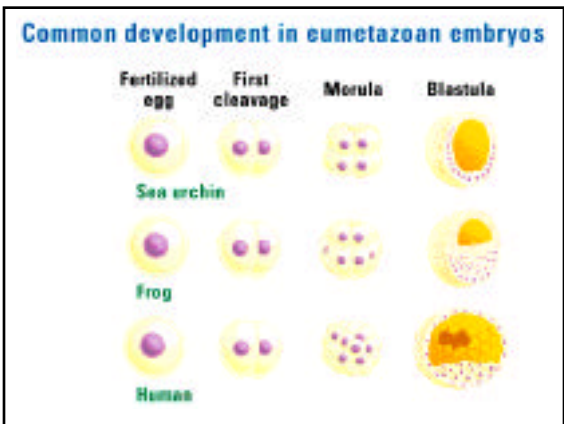
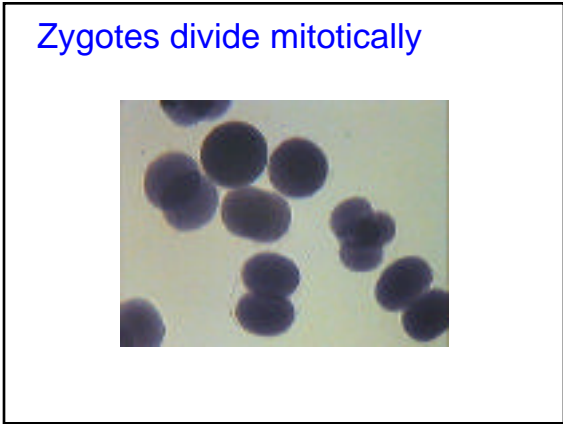
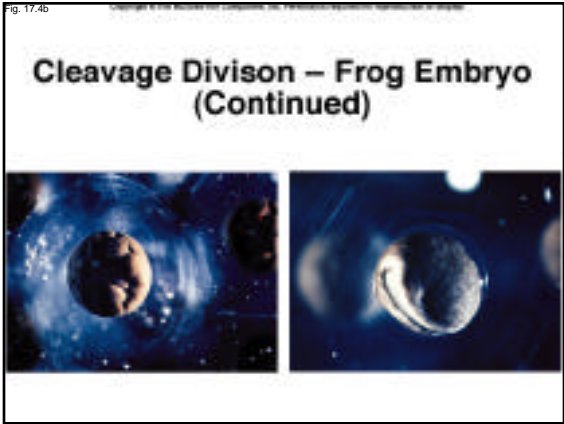
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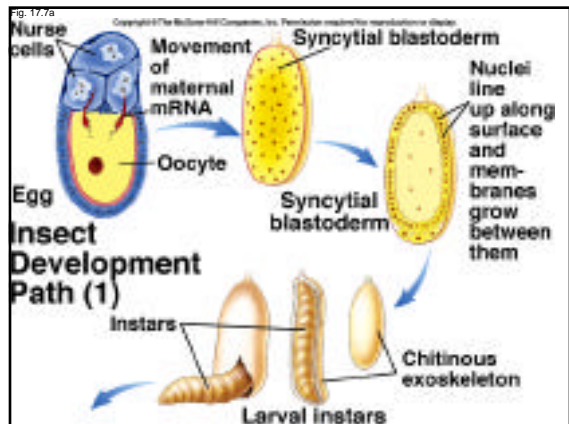
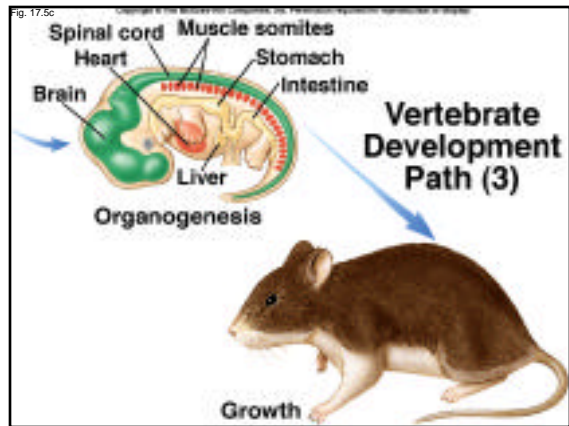
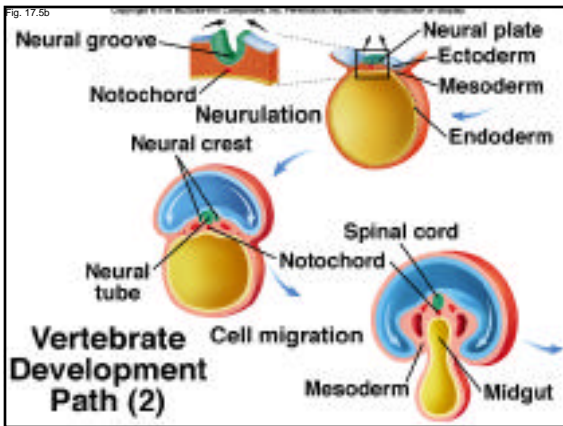
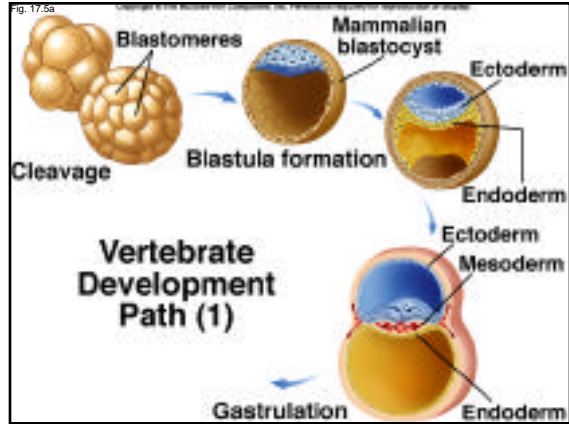
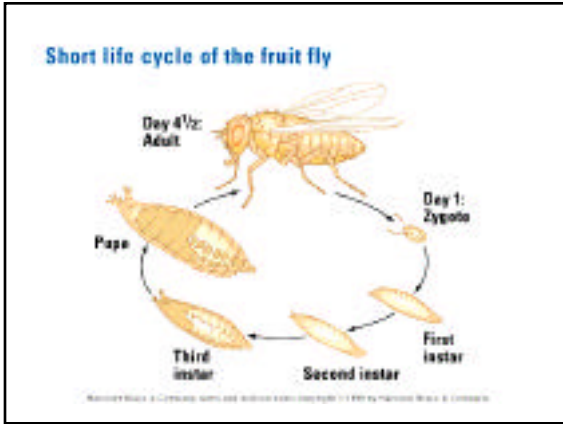


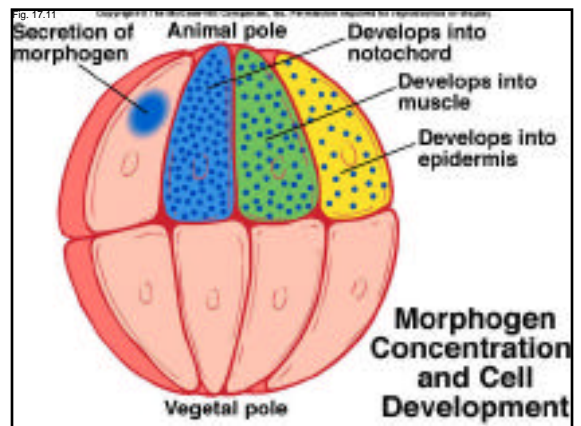
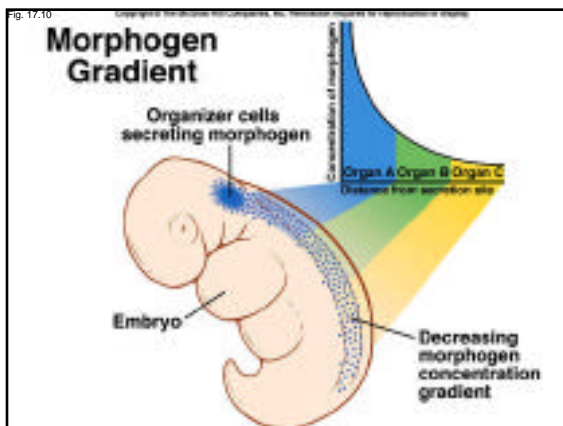
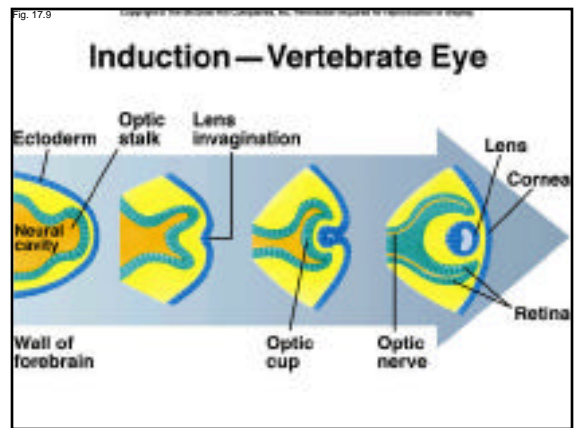
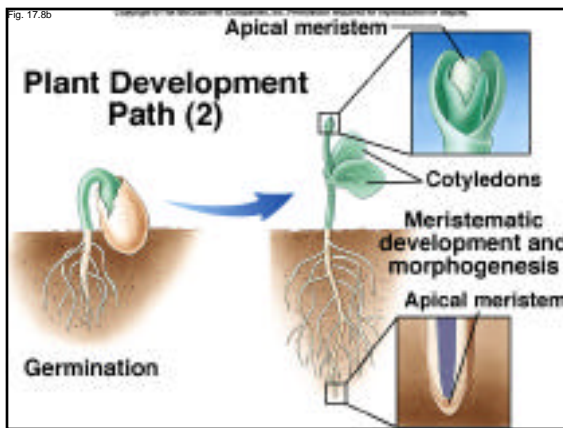
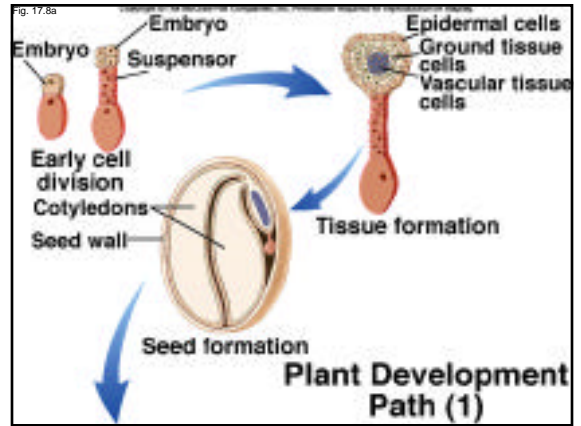
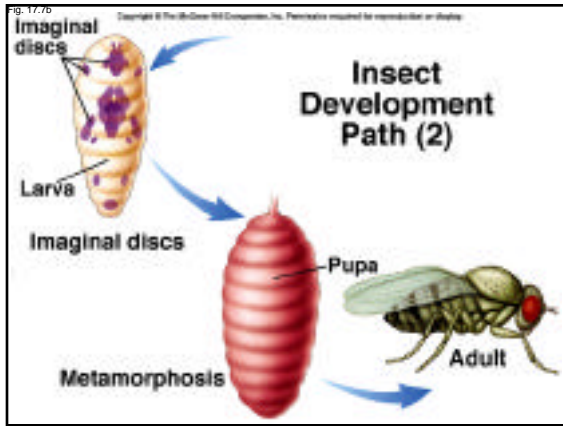
Fig. 17.4a

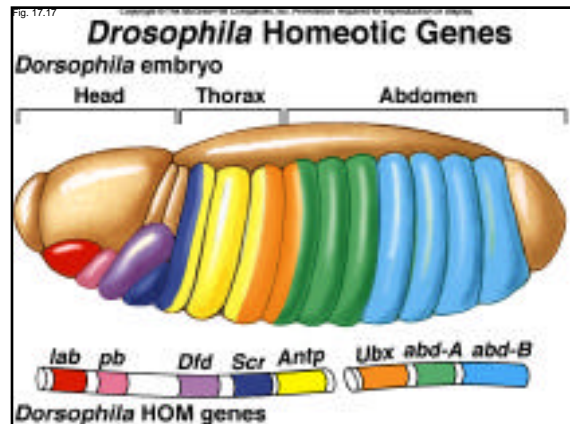
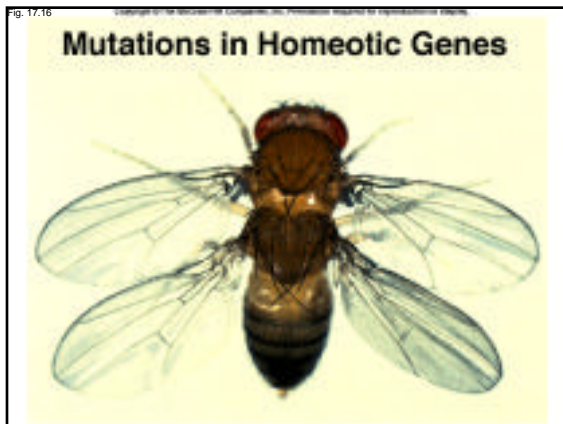
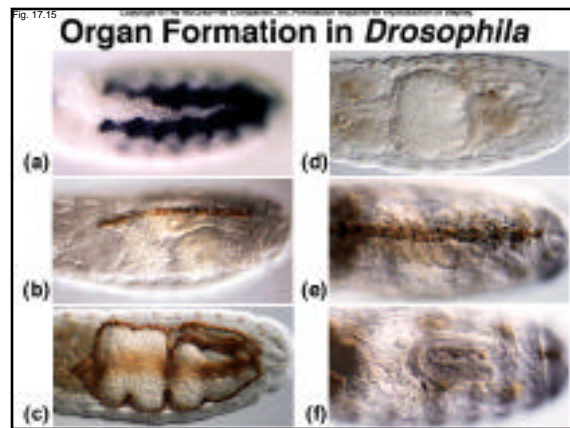
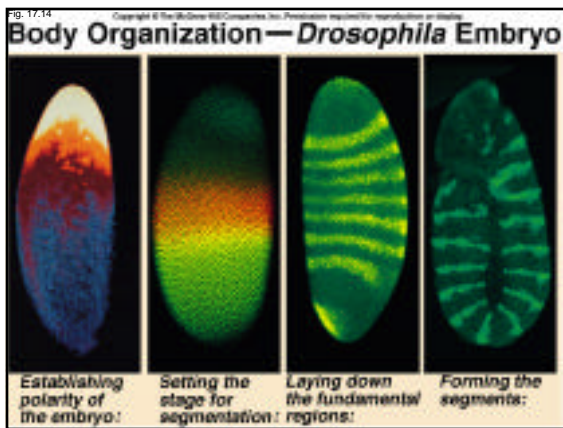
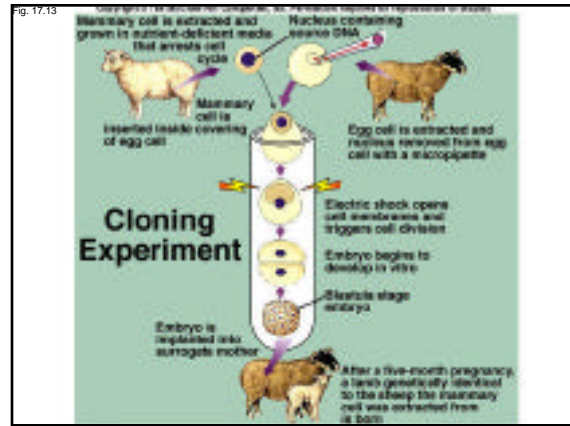
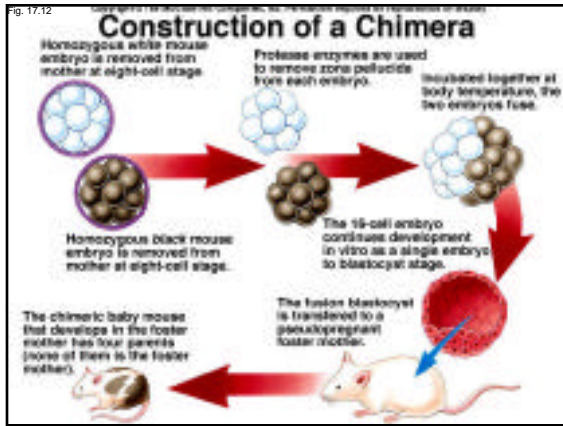
## Cleavage Division — Frog Embryo

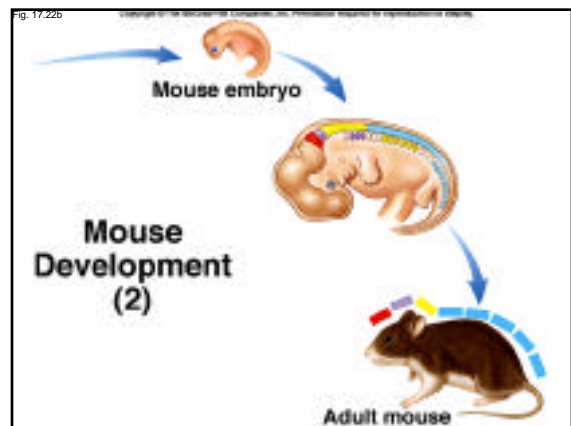
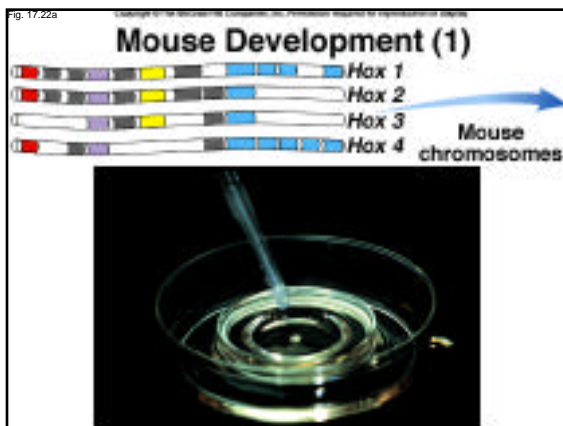
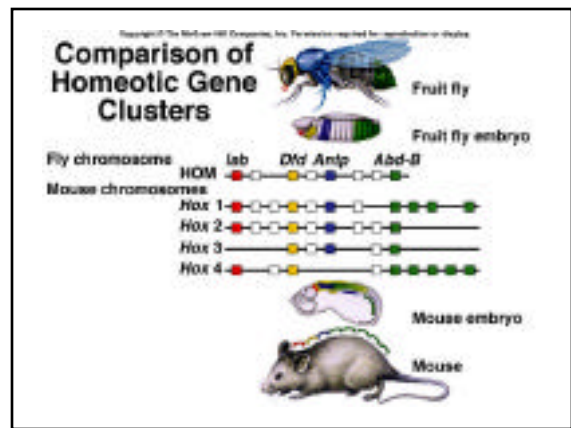
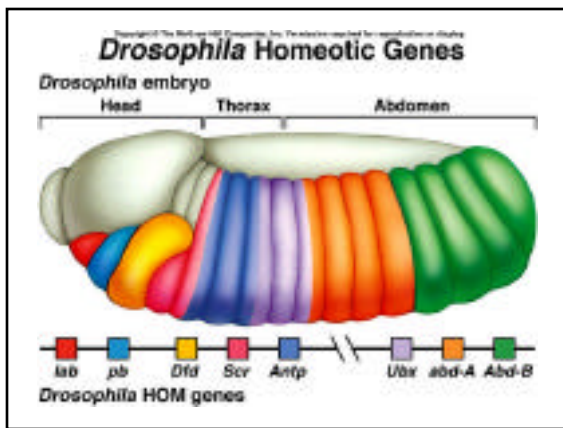
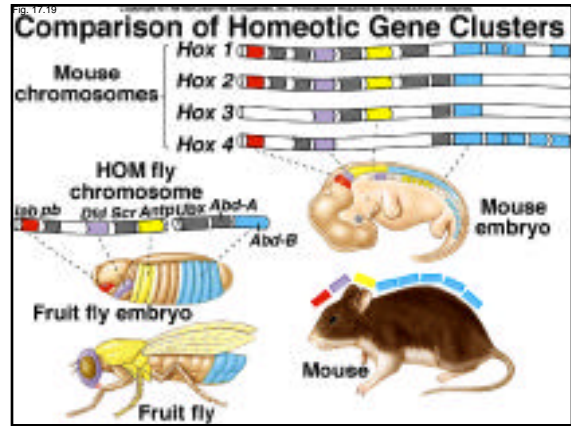
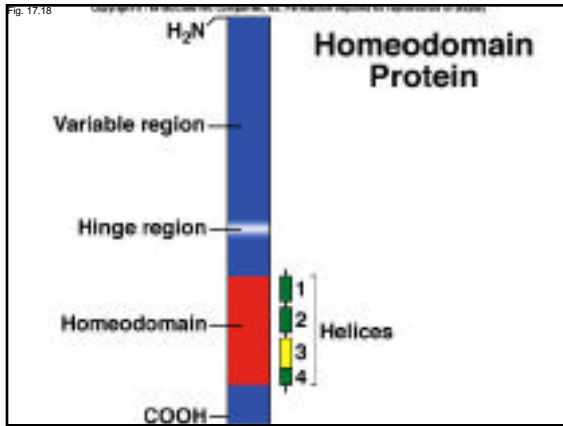












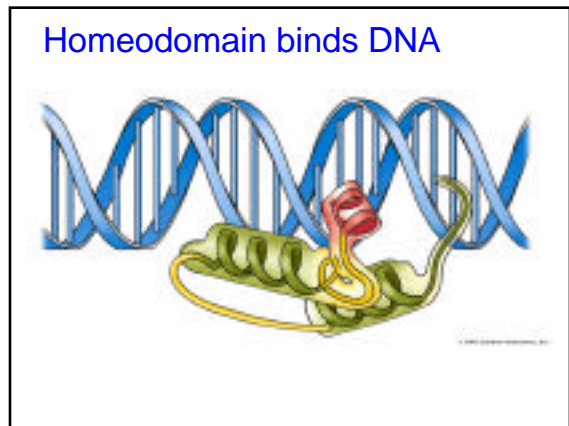
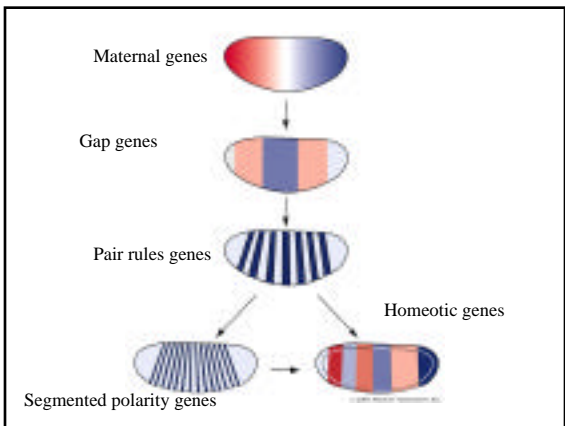
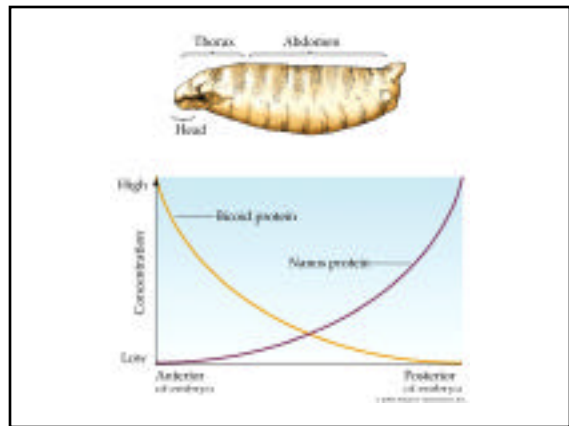
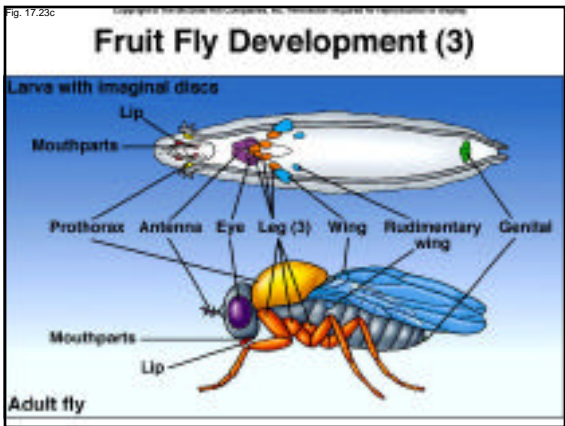
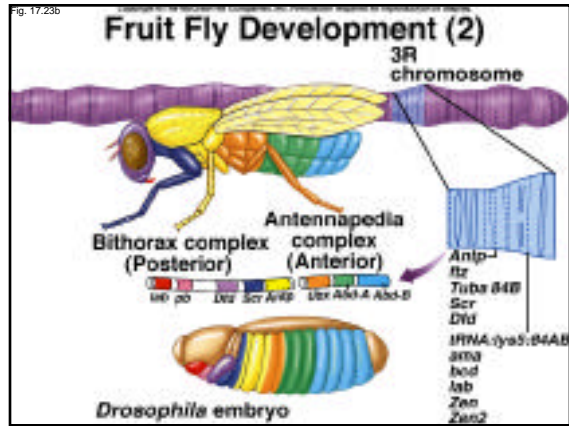
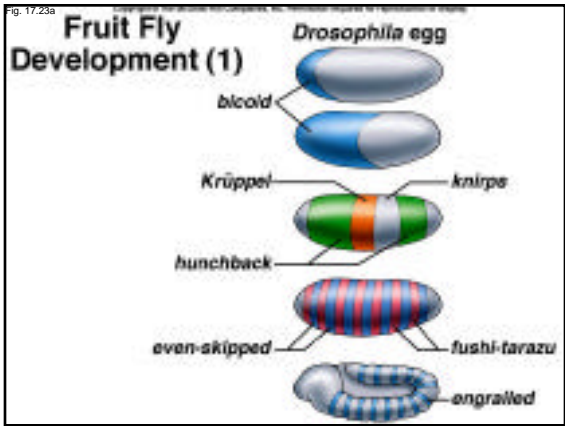
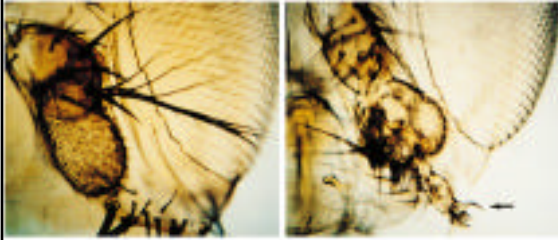


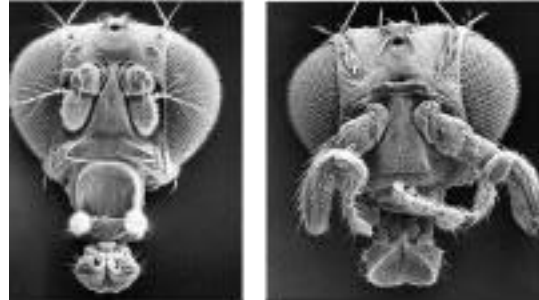
Fig. 17.20

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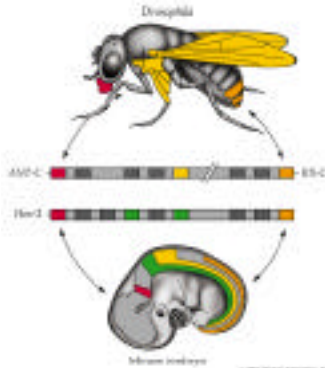
### Homeobox Series



### Mutation in Homeogenes



### Homeobox genes



### Shift in body plans

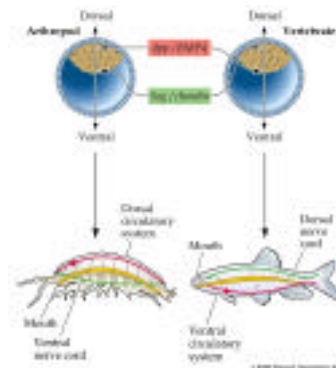


Fig. 17.24a

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### Nematode Development (1)

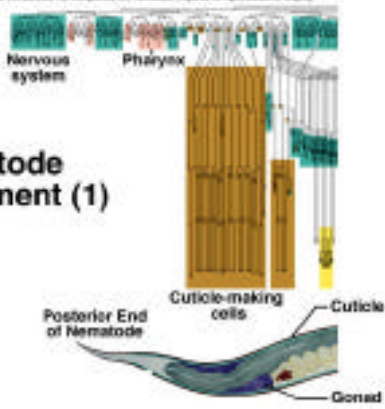
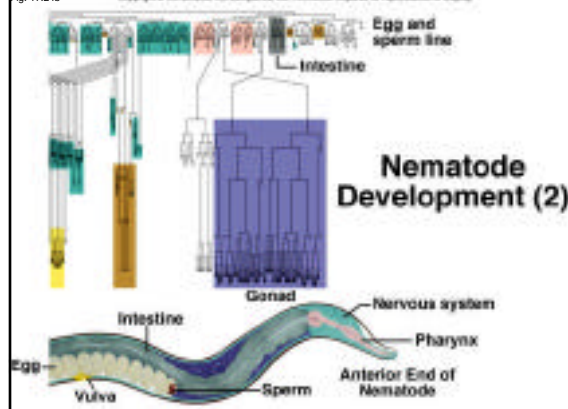
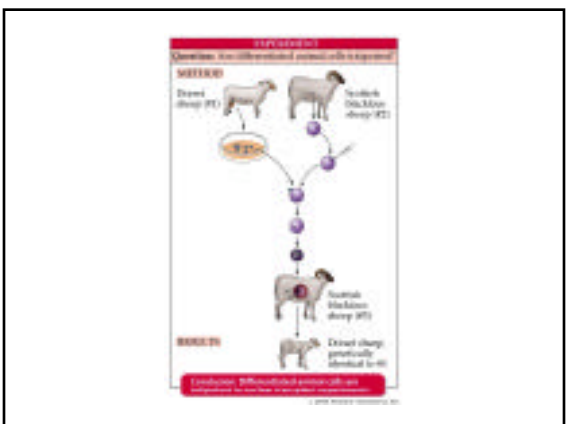
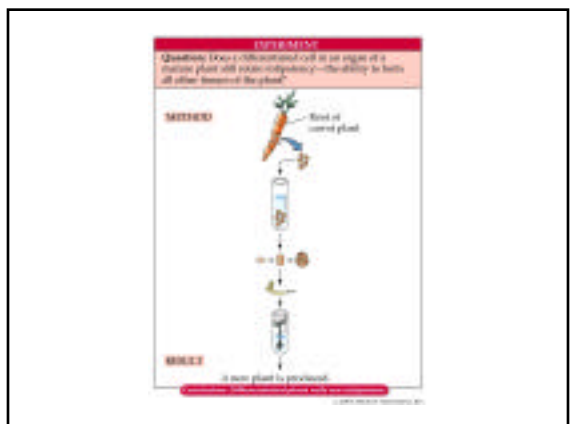
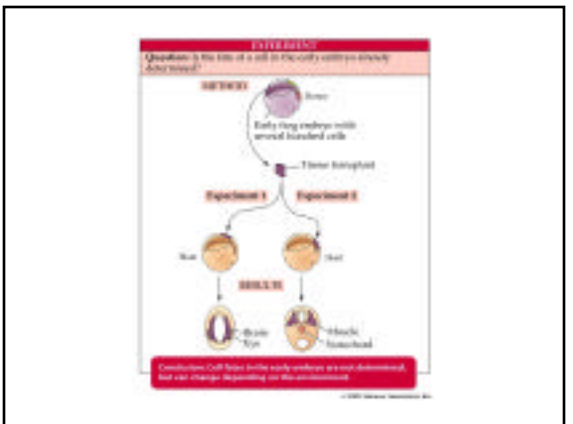
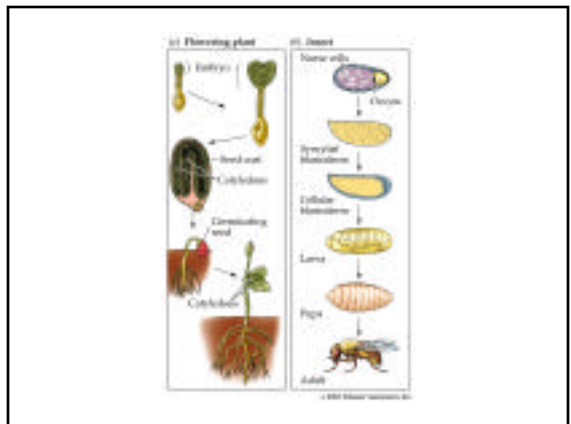
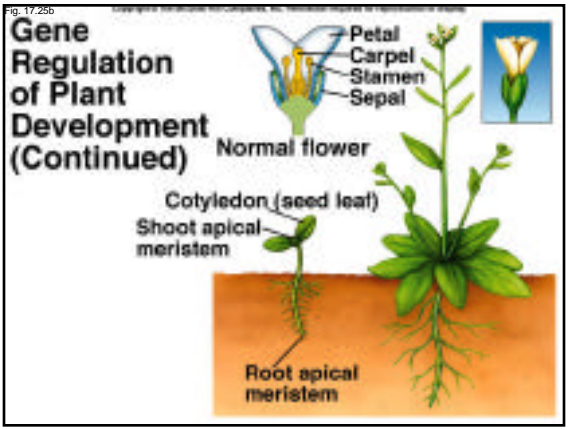
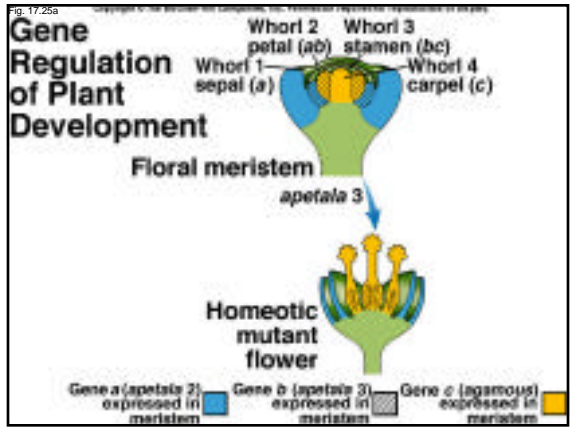


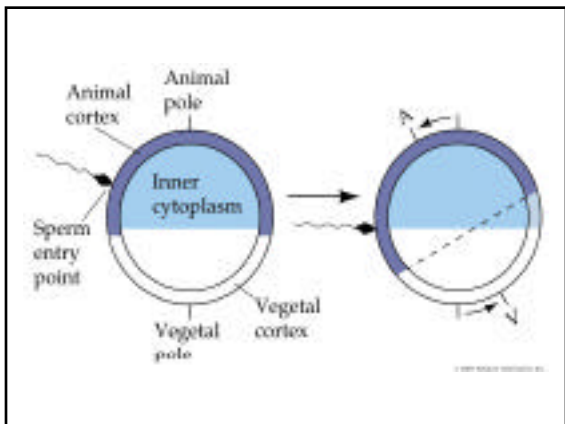
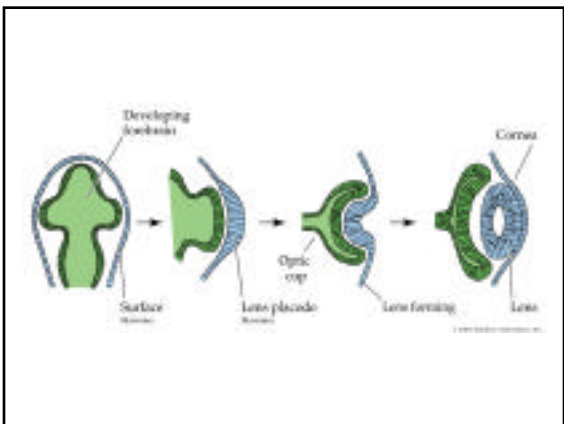
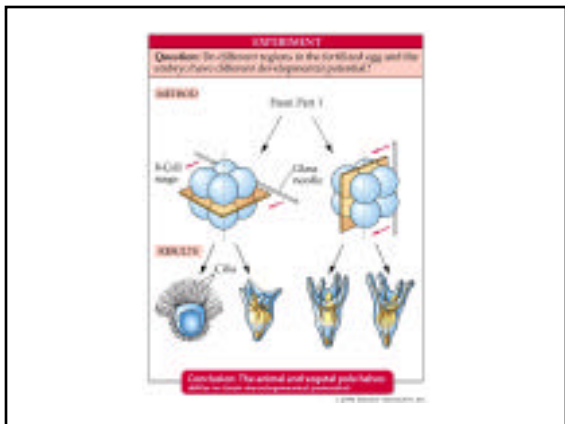
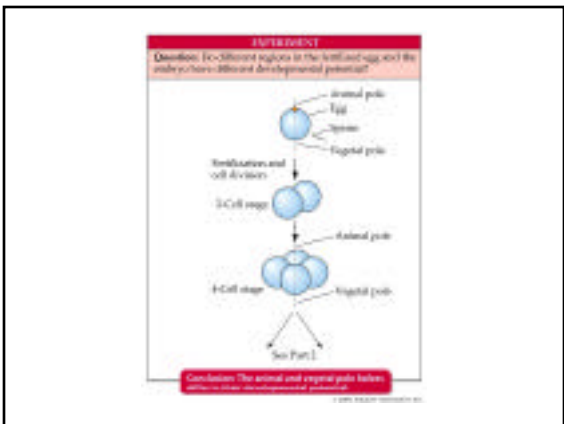
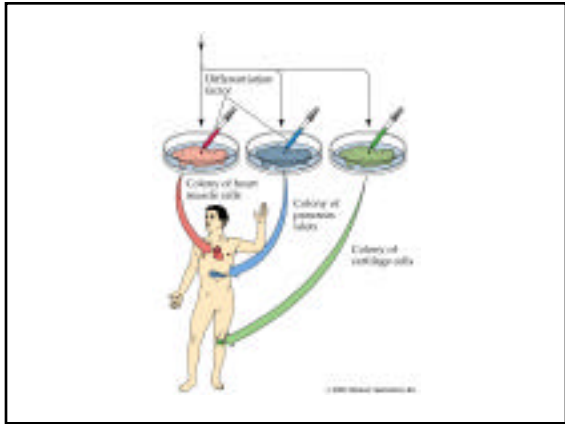
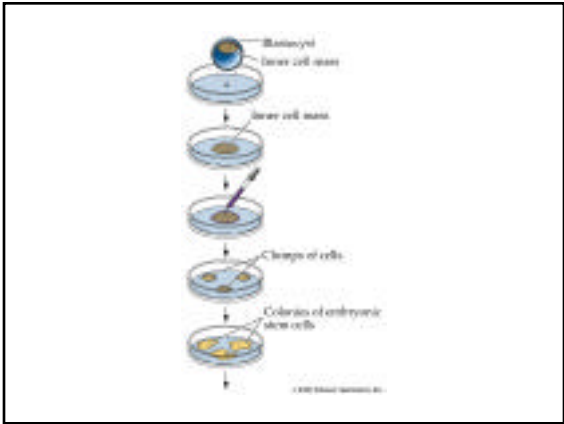
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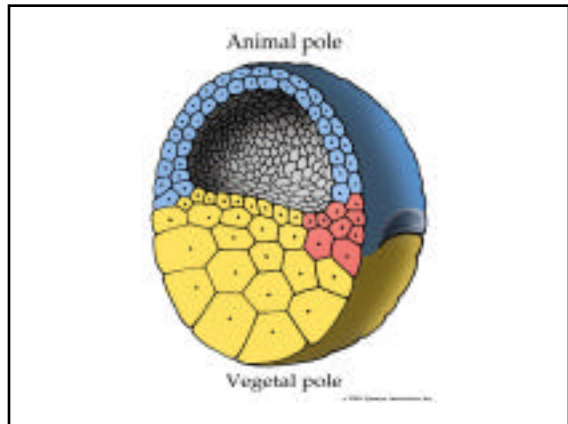
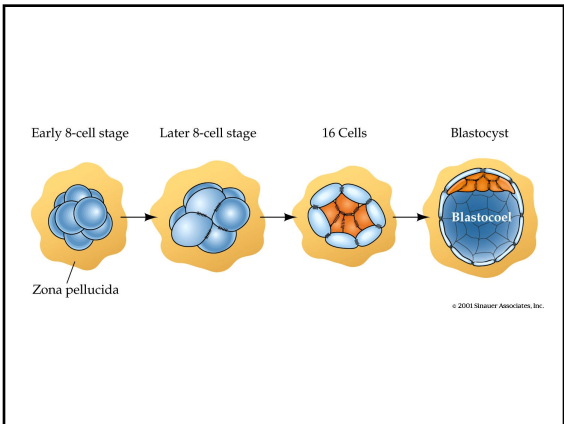
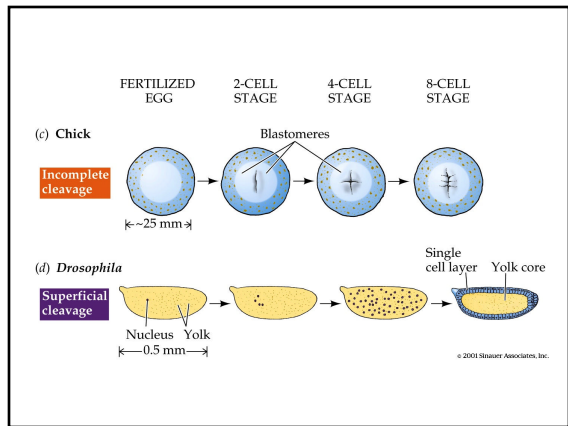
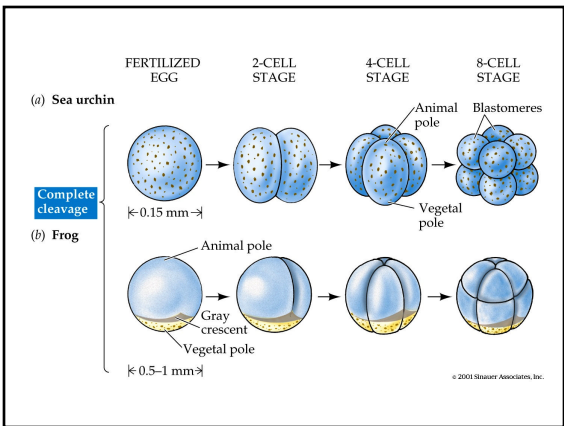
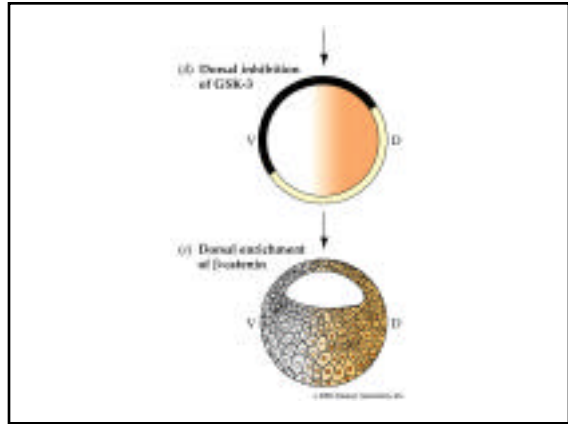
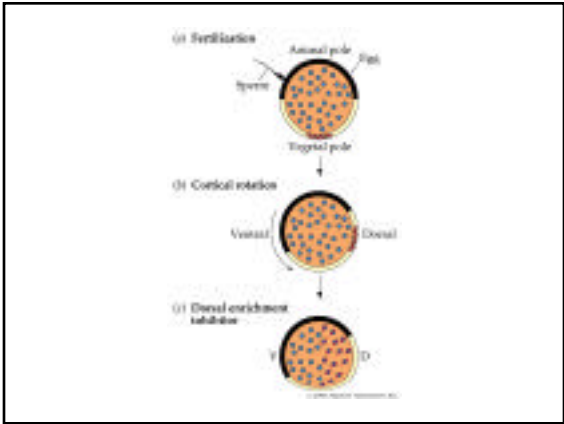
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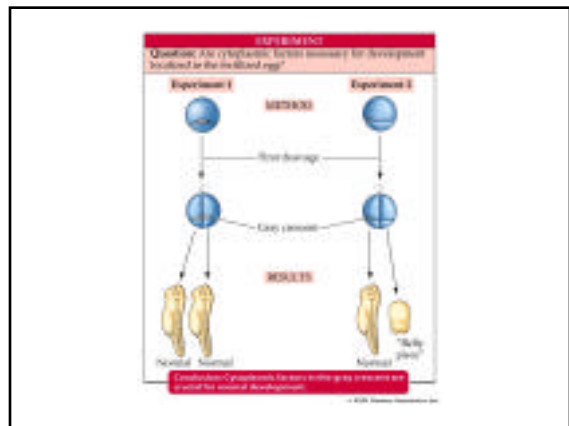
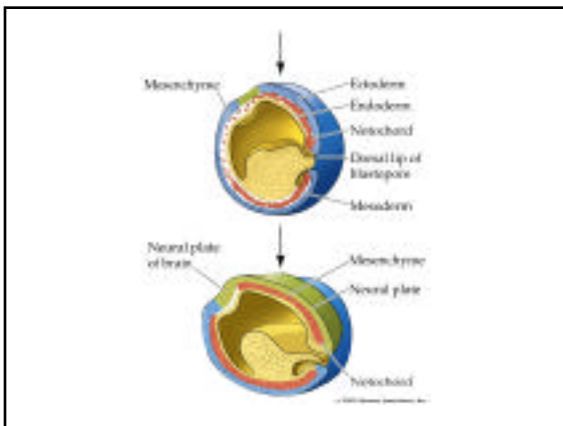
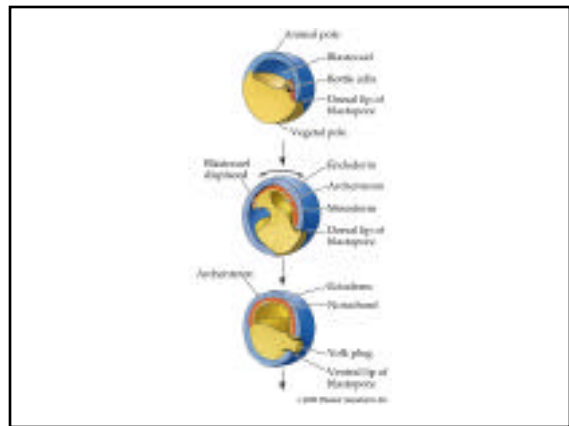
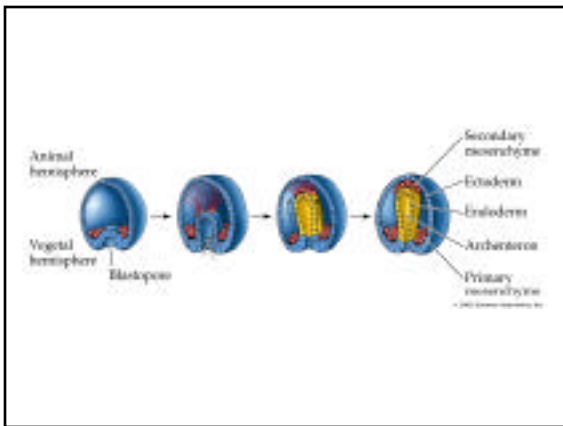
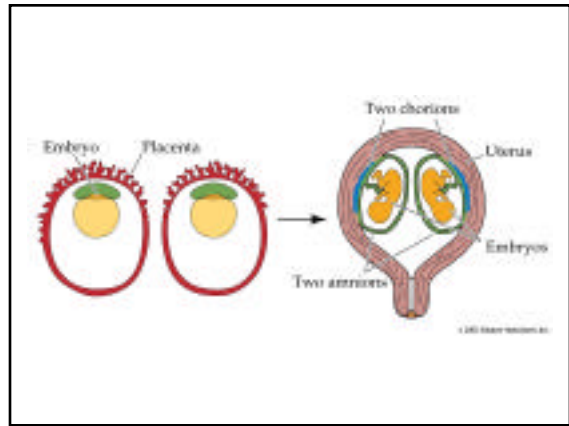
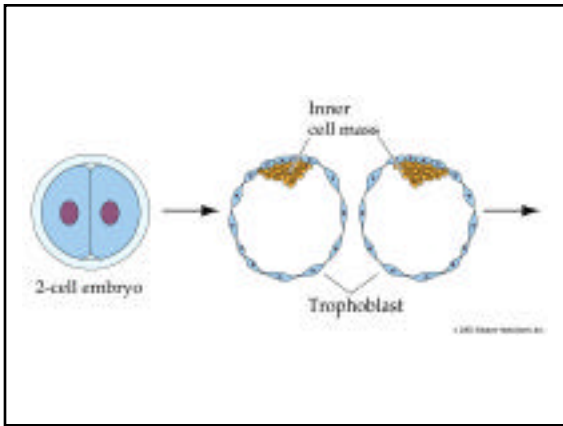
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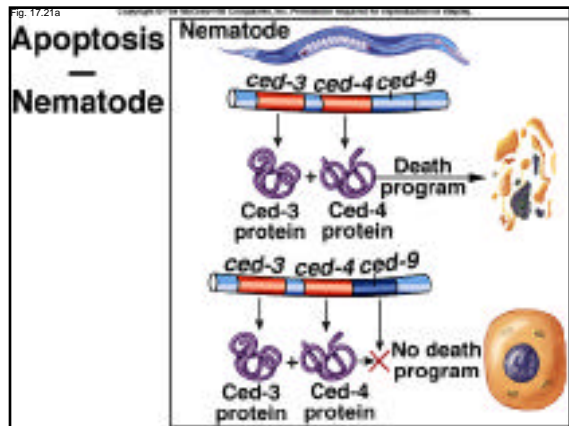
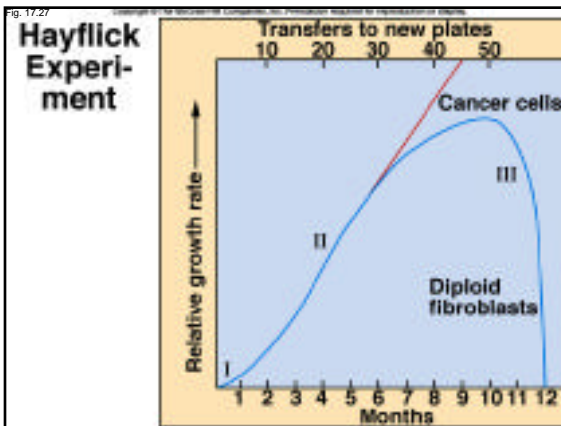
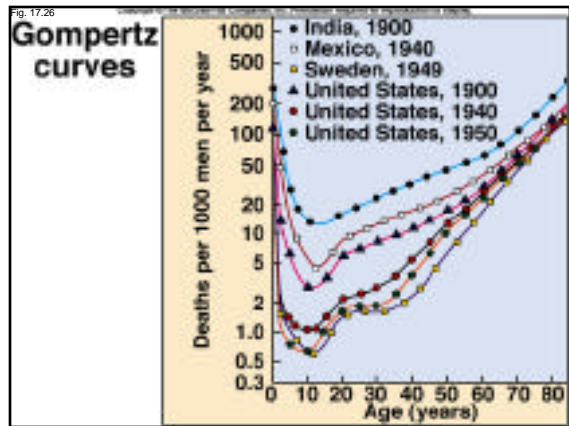
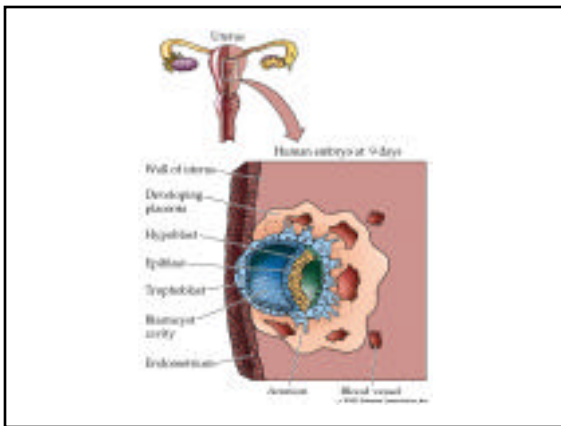
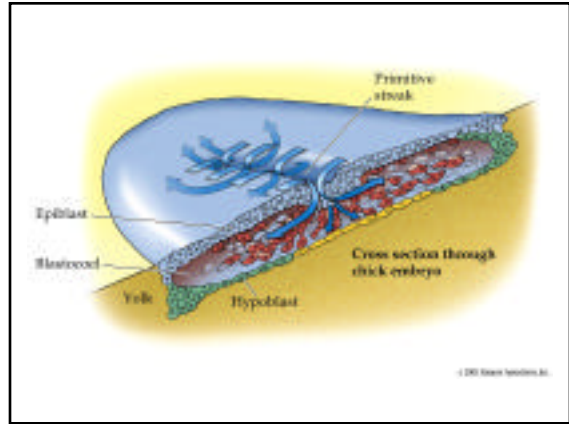
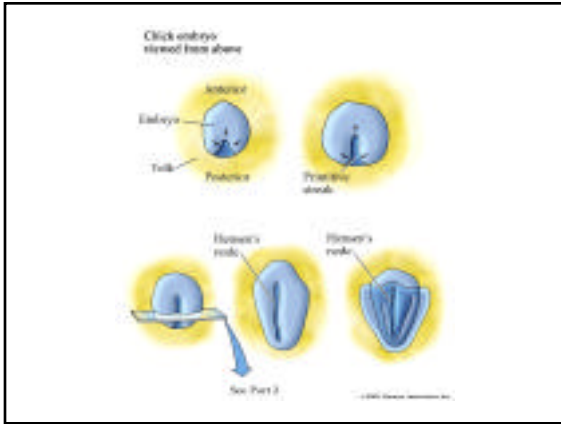


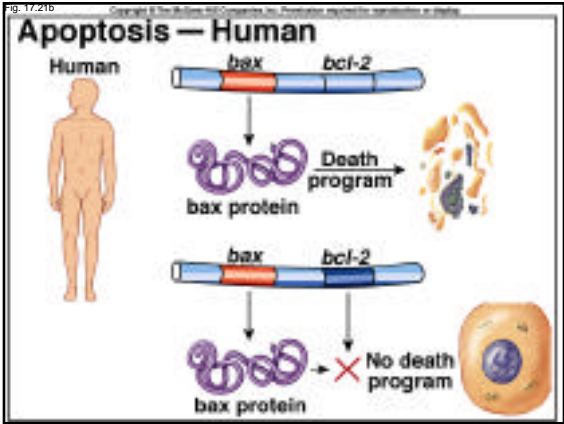












The End.