Name:_		
Blk:	Date:	

Science 9 Notes on Sexual Reproduction Continued

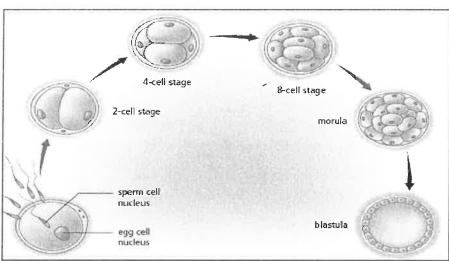
Embryonic Development

Embryonic development is the early development of an organism - in humans, it is the first two months after fertilization

Stages:

End of the first week - ball of cells called	
End of second week it is a hollow ball called a	= 1
Cells at this stage are stem cells, and have the ability to de	evelop
into any kind of cell	•
In the next stage the embryo is known as a	_ and
develops:	
4	

- 1. _____ (skin, nerves),
- 2. _____ (muscles, bones), and
- 3. _____ (lungs, liver, digestive system lining)



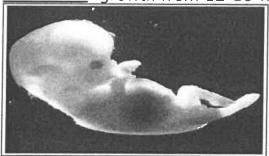
Fetal Development:

The cell layers now differentiate into the organs and tissues of a baby - this is divided into ____ trimesters.

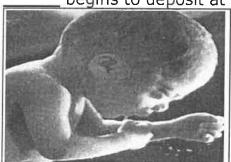
First Trimester (0-12 weeks)

	systems	begin	to	develop	and	form.
cells	form.					

Second Trimester (12-24 weeks) growth from 12-16 weeks.



Third Trimester (24+ weeks)
Continued growth, especially of _____.
begins to deposit at 32 weeks to keep baby warm at birth.



Advantages	Disadvantages: Disadvantages				
Very little energy required to find a mate (external fertilization).	More energy generally required to find a mate (internal fertilization).				
 Greater numbers of offspring can repopulate an area after a disaster (external fertilization). 	 Fewer offspring produced, so if the number of predators increases a population will decline (internal fertilization). 				
 More protection is given to the embryo and more parental care is given to offspring (internal reproduction). 	 Gametes, embryos, and offspring are unprotected and are often preyed upon (external fertilization). 				
 Offspring are genetically different from their parents, so they may survive new diseases or other threats that appear in a population. 					