***Fertilization and Human Development Notes***

|  |  |
| --- | --- |
| Sexual Intercourse: Males | Sexual Intercourse: Females |
|  |  |

***The Long Journey***

* As the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is ejaculated into the vagina the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ start to swim up towards the \_\_\_\_\_\_\_\_\_\_\_\_.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_ and uterus secrete acidic mucus to stop any foreign cells from attacking her system.
  + This kills many sperm
  + The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is alkaline to react to the acidic vagina.
* The sperm swim into both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in search of an egg.
  + Many sperm get lost and try to penetrate the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

***In the Fallopian Tubes***

* If there is an \_\_\_\_\_\_ in the fallopian tube the \_\_\_\_\_\_\_\_\_\_\_ will try to penetrate it with a special enzyme on the head of the sperm.
* Only \_\_\_\_\_\_\_\_ sperm is allowed into the egg as the egg will harden when one sperm is successfully inside.
* If there is no egg in the fallopian tube then the sperm will eventually die and be flushed out of the women in the subsequent days.
  + Sperm can live up to \_\_\_\_\_ days in the woman.

***If the Egg is Fertilized…***

* If the sperm has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the egg the now fertilized egg will start to descend into the \_\_\_\_\_\_\_\_\_\_\_\_\_ and attach its self to the lining of the uterus.
* The egg will start to divide.
  + \_\_\_\_\_ cells, then \_\_\_\_\_\_ cells, then \_\_\_\_\_\_\_\_\_ cells, etc.
* Women will be pregnant for about \_\_\_\_\_\_ weeks or \_\_\_\_\_ months.
  + Some pregnancies last longer and some are shorter

***Pregnancy Timeline***

|  |  |
| --- | --- |
| Week | Events |
| 2 |  |
| 4 & 5 |  |
| 7 |  |
| 13 |  |
| 16 |  |
| 20 |  |
| 24 |  |
| 30 |  |
| 35 |  |
| 38 |  |
| 40 |  |