Puberty and cycles worksheet

1. Define the following words:

a) Puberty: _____
_____

b) Hormones: _____
_____

c) Glands: _____

d) Menstrual cycle: _____

e) Ovum: _____

f) Oocyte: _____

g) Oogenesis: _____

h) Ovulation: _____

i) Follicle: _____

j) Corpus luteum: _____

k) Endometrium: _____

l) Erection: _____

m) Ejaculation: _____

n) Pre ejaculation: _____

2. Match the letters with the possible choices. The choices can be used more than once.

a- Glands that both males and female have:_____
b- Hormones that both male and female have: _____
c- Hormone that only males have:_____
d- Hormones that only females have:_____
e- Gland that only males have:_____
f- Gland that only females have:_____
Choices: estrogen, progesterone, FSH. LH, pituitary gland, testosterone, testicles and ovaries

3. What are the female primary sexual characteristics? _____

4. What are the males primary sexual characteristic? _____

5. Give 3 secondary characteristics for females_____

6. Give 3 secondary sexual characteristics for males_____

7. Match the word with its function.

a) Follicle_____	A) Causes ovulation
b) LH_____	B) Causes endometrium to thicken
c) Progesterone_____	C) Causes follicle to develop
d) FSH_____	D) Secretes progesterone
e) Corpus luteum _____	E) Secretes estrogen
f) Estrogen _____	F) Causes LH to be secreted

8. Explain what happens during the following days of the menstrual cycle.

1-5	
6-14	
15-28	
1-13	
14	
11-15	

9. Why does a female get her period? _____

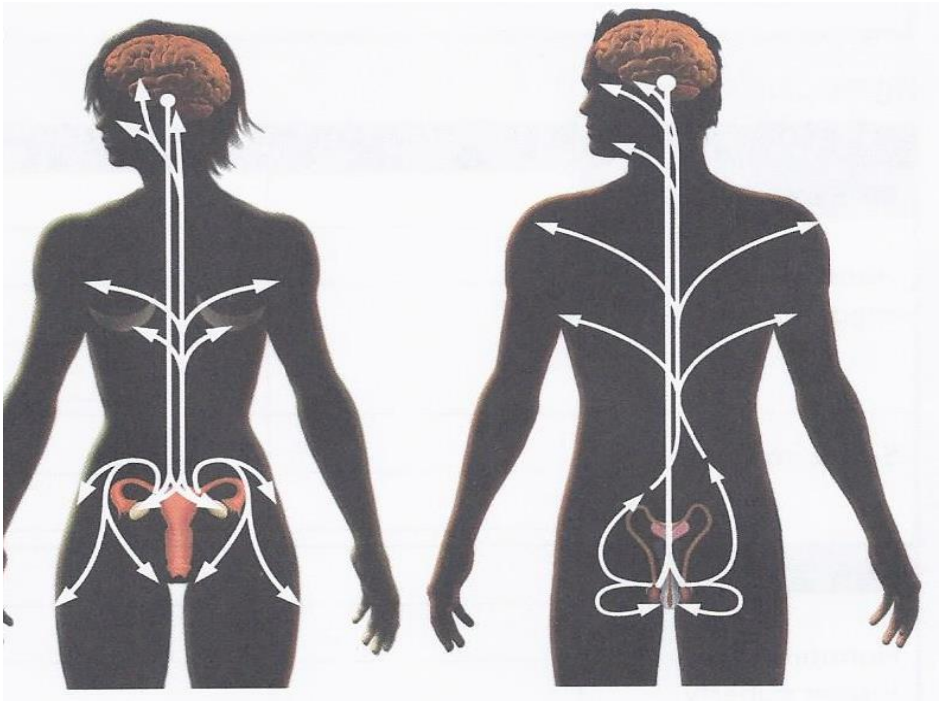
10. Explain how an erection occurs: _____
_____

11. Explain if a penis can ejaculate without being erect? _____
_____

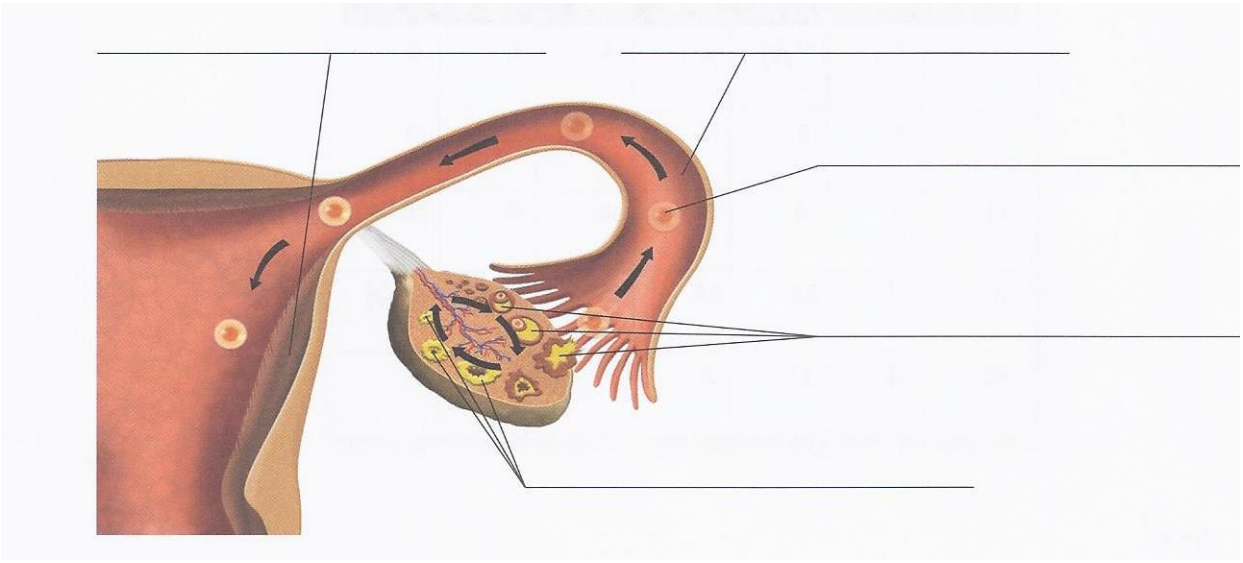
12. Why are males able to father children in their 70's? _____
_____

13. If the ovum only lives 12-24 hours, why is a female fertile for 72 hours? _____
_____

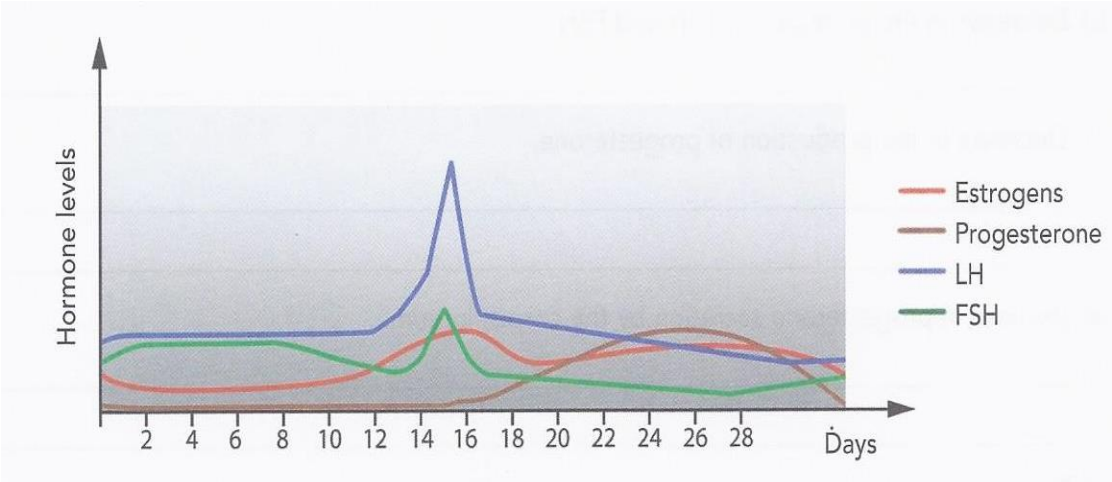
14. The effect of hormones responsible for puberty is indicated by arrows on these illustrations of a man and a woman. Colour the arrows representing the action of FSH and LH in in red. Colour the arrows representing the action of estrogen, progesterone and testosterone in blue.



15. Identify the following structures on the picture below: fallopian tube, endometrium, ovum, corpus luteum and follicle.



16. Look at the graph below. What day will ovulation occur? How do you know? Show the days which have the menstrual phase, the days which are the proliferation phase and the secretory phase days.



17. Fill in the blank

    Sperm is produced in the _____. The testicles are glands which secrete the hormone _____. This hormone causes _____ sexual characteristics. The gametes are _____cells. They each have _____ chromosomes which make them _____. When the sperm meets the ovum a _____ is produced. A zygote has _____ chromosomes which makes it _____. Once the zygote is produced, the cell will continue the process of _____ for the next 9 months.

18. Indicate the following in the picture below:

    Fertilization, sperm, ovum, zygote, mitosis