

GCSE Biology A (Gateway)

J247/01 B1-B3 and B7 Foundation (Foundation Tier)

Question Set 15

1 (a) How are hormones transported around the body? [1]

(b) Finish these sentences to explain what is happening in the body of a female during the menstrual cycle.

The pituitary gland in the releases the hormone FSH.

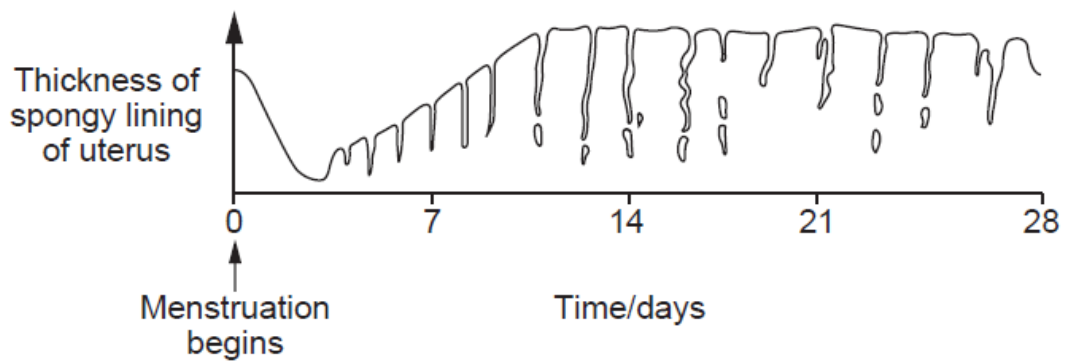
FSH causes an..... to mature in a follicle.

FSH also causes the follicle to release the hormone

After ovulation, the empty follicle releases another hormone called

[4]

(c) The diagram shows how the lining of the uterus changes during the menstrual cycle.



(i) Mark on the diagram with the letter **E** the most likely point when ovulation occurs. [1]

(ii) If a fertilised egg is **not** present, a change happens to the uterus lining after 28 days.

How does the uterus lining change? [1]

(d)*

The table shows the effectiveness of some different forms of contraception.

Form of contraception	Percentage pregnancies per year (%)
Hormonal	
Injection	<1
Patch	<1
Pill	2
Non-hormonal	
Diaphragm	6
Male condom	2
Male sterilisation	<1

Suggest explanations for the differences in the effectiveness of the methods of contraception and explain why the pill is a popular method.

[6]

Total Marks for Question Set 15: 13

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