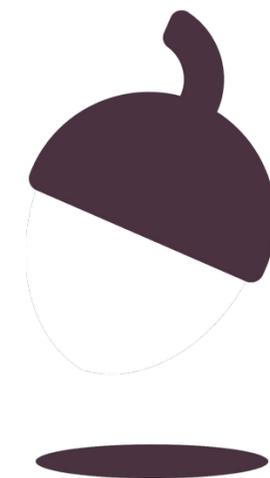


Combined Science - Biology - KS4
Homeostasis and Response

Contraception

Miss Ray



OAK
NATIONAL
ACADEMY

**Which hormones are used
in most fertility treatments?**



Which hormones are used in most fertility treatments?

Answer

FSH and LH



Match the contraceptive method to how it works

Contraception

Condom

Oral contraceptive

Intrauterine device

Spermicidal agent

Method

Prevents the release of an egg

Provides a barrier stopping the sperm reaching the egg

Kills the sperm

Prevents the embryo implanting



Match the contraceptive method to how it works

Contraception

Method

Condom

Prevents the release of an egg

Oral contraceptive

Provides a barrier stopping the sperm reaching the egg

Intrauterine device

Kills the sperm

Spermicidal agent

Prevents the embryo implanting



Example question

Method	Effectiveness (%)	Other information
Contraceptive pill	99.8	Must be taken every day, free from GPs, side effects include headaches and increased blood pressure.
Condom	99.0	May tear, offer protection from STIs, inexpensive to buy.
Sterilisation	100.0	Permanent, requires an operation.

Evaluate the use of these contraceptive methods. [6]



Mark scheme

- Effectiveness of the condom is lower than sterilisation and the contraceptive pill;
- Sterilisation is 0.2% more effective than the contraceptive pill;
- All are highly effective;
- Condoms are easily acquired;
- Condoms offer protection from STIs;
- Condoms carry no side effects e.g. headaches;
- Side effects will not affect everyone that takes the contraceptive pill;
- May forget to take the contraceptive pill;
- Sterilisation cannot be reversed;
- There are risks associated with surgery e.g. infection;
- Contraceptive pill is free from the NHS.



Exam style question

Method	Effectiveness (%)	Other information
Contraceptive pill	99.8	Must be taken every day, free from GPs, side effects include headaches and increased blood pressure.
Condom	99.0	May tear, offer protection from STIs, inexpensive to buy.
Spermicide gel	75.0	Allergic reactions to gel can occur, easy to administer, inexpensive to buy.

Evaluate the use of these contraceptive methods. [6]



Mark scheme

- **Effectiveness of the spermicide gel is lower than using a condom or taking the contraceptive pill;**
- **Condoms are 0.8% less effective than the contraceptive pill;**
- **Condoms and spermicide gel are easily acquired;**
- **Condoms offer protection from STIs;**
- **Condoms carry no side effects e.g. headaches;**
- **Some people are allergic to spermicide gel and condoms;**
- **Side effects will not affect everyone that takes the contraceptive pill;**
- **May forget to take the contraceptive pill;**
- **Contraceptive pill is free from the NHS.**

