

6.6 Hormones, Homeostasis & Reproduction

Homeostasis

Define homeostasis

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Outline the role of negative feedback in homeostatic regulation

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List four conditions under homeostatic regulation

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|---------|---------|
| 1. | 3. |
| 2. | 4. |

Endocrine System

Define hormone

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Outline the role of thyroxin in body temperature regulation

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Outline the role of melatonin in controlling circadian rhythms

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Outline the role of leptin in the control of appetite

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Outline the role of insulin and glucagon in the regulation of blood sugar levels

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Compare type I and type II diabetes

	Type I	Type II
Onset		
Effect		
Cause		
Treatment		

Reproduction

Outline the conclusions drawn from William Harvey's investigation into the sexual reproduction of deer

Understanding before Harvey:

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Understanding after Harvey:

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Describe the genetic and hormonal factors responsible for sex development

Genetic Factors:

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Hormonal Factors (Male):

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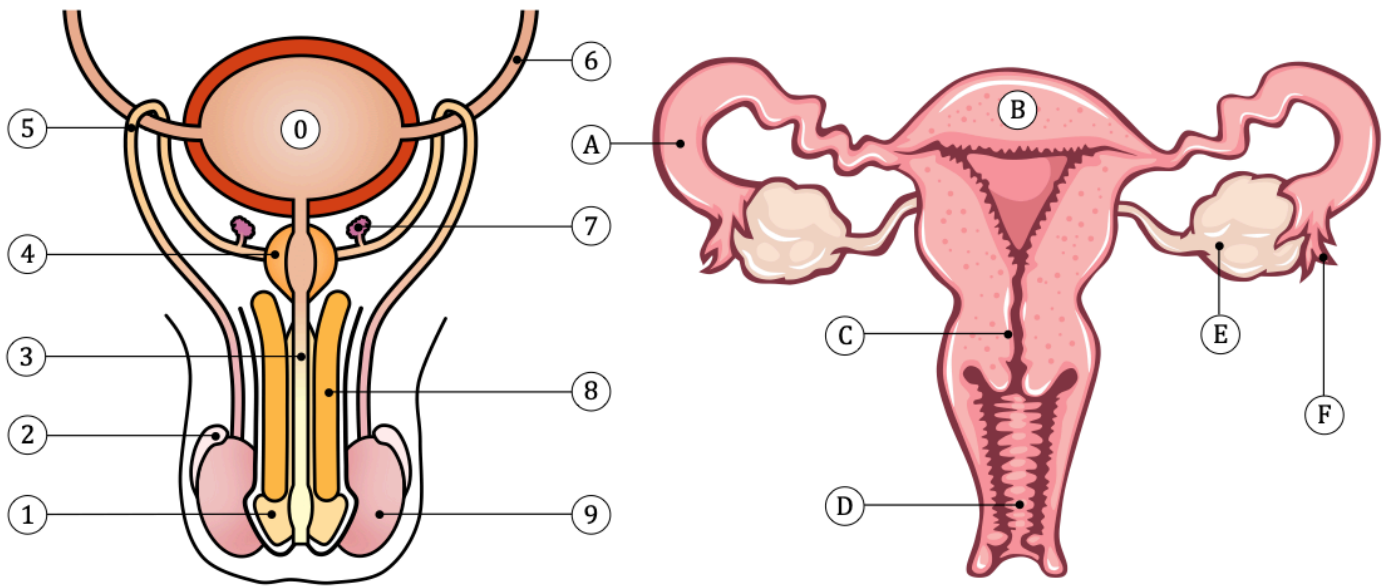
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Hormonal Factors (Female):

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Label the male and female reproductive systems



- 0.
- 1.
- 2.
- 3.
- 4.
- 5.

- 6.
- 7.
- 8.
- 9.

- A.
- B.
- C.
- D.
- E.
- F.

Outline the role of negative and positive feedback in the menstrual cycle

Negative Feedback

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Positive Feedback

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Summarise the key steps required for in vitro fertilisation

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H

E

S

F

I

T



Discuss the ethical issues regarding the use of IVF

Arguments For IVF

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Arguments Against IVF

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