Year 9 Biology Part B Revision

**Excretory System**

1. Name the organs involved in excretion?

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1. Label the following diagram of a Kidney using the terms: Renal Artery, Renal Vein, Cortex , Renal Pelvis, Medulla, Ureter
2. Explain the role of the following in the excretory system

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| --- | --- |
| Part | Role |
| Bladder |  |
| Renal Artery  |  |
| Ureter |  |
| Skin |  |
| Lungs |  |

1. Label the following diagram of the urinary system



1. Explain why a person’s urine is darker when they are dehydrated

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**Immune System**

1. What is non-specific immunity and what organs have a role in it?

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1. Define the following terms

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| Term | Definition |
| Antigens |  |
| Antibodies |  |
| Immunity |  |
| Pathogen |  |
| Disease  |  |

1. Explain how vaccines work

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1. What is the role of B-Cells (B Lymphocytes)?

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1. What is the role of T-Cells (T-Lymphocytes)?

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1. How is pus formed?

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**Nervous System**

1. Fill in the missing labels on the diagram of a reflex arc below



1. Define the following terms

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| Term | Definition  |
| Receptor  |  |
| Reflex Arc |  |
| Dendrite |  |
| Cell Body |  |
| Axon |  |

1. Label the following diagram of a neuron



**Endocrine System**

1. Compare how the endocrine and nervous systems work

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| **Characteristic** | **NERVOUS SYSTEM** | **ENDOCRINE SYSTEM** |
| Type of message: |  |  |
| Message transported by: |  |  |
| Cells affected |  |  |
| Type of response: |  |  |
| Time taken to respond: |  |  |
| Duration of response: |  |  |

1. What is a hormone?

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1. Name the endocrine glands and where they are located in the body

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| **Gland** | **Location** |
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1. Define the term homeostasis

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