**The Autonomic Nervous System (ANS) Date:**

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| **What is the role of the Autonomic Nervous System?** |  | | | |
| **Which parts of the CNS regulate the Autonomic Nervous System?** |  | | | |
| **What specifically does the Autonomic Nervous System regulate?** |  | | | |
| **What is a ganglion?** |  | | | |
| **Describe the pathway travelled by a nerve impulse controlled by the ANS** |  | | | |
| **What is the basic functional difference of the Sympathetic and Parasympathetic divisions?** |  | | | |
| **Outline the difference between the sympathetic and parasympathetic divisions.** | **Structure** | **Effect of Sympathetic stimulation** | | **Effect of parasympathetic stimulation** |
| **Heart** |  | |  |
| **Lungs** |  | |  |
| **Stomach/**  **Intestines** |  | |  |
| **Liver** |  | |  |
| **Iris of the eye** |  | |  |
| **Sweat glands** |  | |  |
| **Salivary glands** |  | |  |
| **Blood vessels of**   * **Skin** * **Skeletal muscle** * **Internal organs** |  | |  |
| **Urinary bladder** |  | |  |
| **Adrenal medulla** |  | |  |
| **Describe the functional difference between the autonomic and somatic divisions** | **Characteristic** | | **Autonomic Division** | **Somatic Division** |
| **Effectors** | |  |  |
| **General function** | |  |  |
| **Efferent (outward) pathway** | |  |  |
| **Neurotransmitter at effector** | |  |  |
| **Control** | |  |  |
| **Nerves to target organ** | |  |  |
| **Effect on target organ** | |  |  |
| **What is meant by the fight or flight response?** |  | | | |