**VIDEO GUIDE FOR BOZEMAN BIOLOGY – ENDOCRINE SYSTEM**

1. Why does Mr. Anderson say the nervous system is like Gmail while the endocrine system is like Facebook?
2. Explain how the action of water soluble hormones differs from lipid soluble hormones.
3. Fill in the following chart

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| --- | --- | --- |
| **GLAND** | **HORMONE** | **ACTION** |
| Pineal |  |  |
| Anterior Pituitary |  |  |
| Posterior Pituitary |  |  |
| Thyroid |  |  |
| Parathyroid |  |  |
| Pancreas |  |  |
| Adrenal Cortex |  |  |
| Adrenal Medulla |  |  |
| Ovary |  |  |
| Testes |  |  |

1. From the list of hormones above, choose two antagonistic pairs of hormones and describe how they work together to maintain homeostasis in the organism (how are their effects complimentary)