**Chemicals in the Brain and Body- -Day 2**

*Essential Question: How do different chemicals in the brain and body influence our behavior?*

**Directions**: Answer the questions below and then complete the chart in order to explain how various chemicals influence our behavior. You will need to conduct research on the Internet in order to complete this assignment, as many of these chemicals are not thoroughly explained in your textbook.

1. What are the similarities between a neurotransmitter and a hormone? How are they different?
2. How do neurotransmitters (in general) influence our behaviors?
3. How do hormones (in general) influence our behavior?
4. Complete the chart below

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical** | **Type of chemical** | **What does it control/influence?** | **What happens if this chemical malfunctions (i.e. there isn’t enough of it, or there is too much of it)** |
| Thyroxine |  |  |  |
| Epinephrine |  |  |  |
| Prolactin |  |  |  |
| **Chemical** | **Type of chemical** | **What does it control/influence?** | **What happens if this chemical malfunctions (i.e. there isn’t enough of it, or there is too much of it)** |
| Insulin |  |  |  |
| Testosterone |  |  |  |
| Endorphin |  |  |  |
| Cortisols |  |  |  |
| Dopamine |  |  |  |
| Acetylcholine |  |  |  |
| Norepinehprine |  |  |  |
| Seratonin |  |  |  |