

“CRASH COURSE” VIDEO QUESTIONS

ENDOCRINE SYSTEM, part 1

1. Explain some differences between your Nervous System and your Endocrine System.
2. What is a gland?
3. Hormones can only act on cells if those cells have a _____ for that hormone.
4. The **thyroid gland** produces **Thyroxine** which controls metabolism. The **pituitary gland** produces **FSH** which stimulates growth in the testes and ovaries. Which of these mechanisms is more “specific”, and why? What about epinephrine?
5. Of the three classes of hormones, which types are water soluble and which are fat (lipid) soluble? Why does this matter?
6. You eat a piece of pie, with ice cream. Start with your pancreaswhat happens?
7. Glucagon acts the same way epinephrine does, just a little more slowly. What if you're hungry, but still have to walk all the way home to get some food... what happens?

HORMONE CASCADES

8. In the fight or flight response, which system fires first?
9. The glands involved are abbreviated H P A. What does each stand for?

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ENDOCRINE SYSTEM, part 2

What's the H P T axis, and what does it typically control?