

HBS 2.3 & 2.4 Quiz Review Study Guide

Name: _____

1. What are the steps for the regulation of blood glucose levels if blood sugar rises?
2. What are the steps for the regulation of blood glucose levels if blood sugar decreases?
3. What are the steps for the regulation of thyroid hormones when it rises?
4. What are the steps for the regulation of thyroid hormone when it decreases?
5. What are the different organs in the endocrine system? Describe the function of each organ.
6. How can too little or too much hormone lead to a disease? Give a specific example.
7. How is light focused by the eye?
8. How does the brain and eye work together to process what we see?
9. What is visual perception?
10. What does it mean to have 20/20 vision?
11. How can corrective lenses be used to refocus light and resolve myopia and hyperopia?
12. How does the eye perceive depth, color and optical illusions?
13. What is the difference between hyperopia, myopia, and emmetropia?

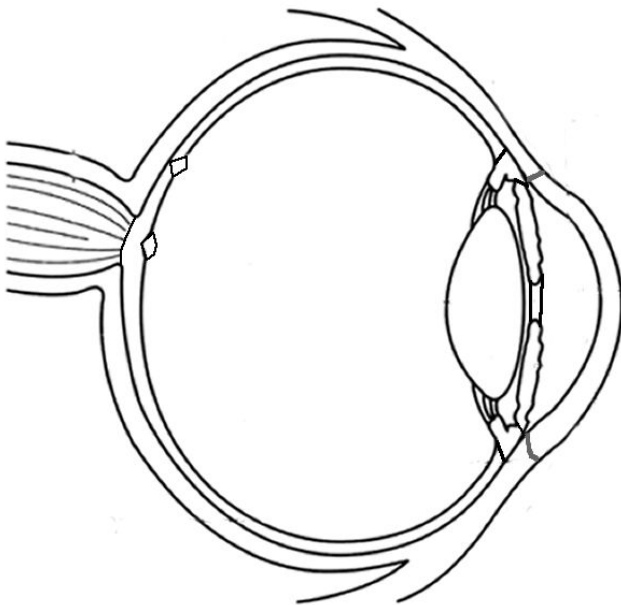
14. Describe the how each of the following conditions affects a person's vision.

- Age-related Macular Degeneration:
- Glaucoma:
- Retinitis Pigmentosa:

- Cataracts:
- Colorblindness:

15. What are the tests and procedures in a routine eye exam?

Label the following diagrams:



Label the eye structure & explain the function of the following:

- Aqueous humor
- Blind spot
- Cornea
- Fovea
- Iris
- Lens
- Macula
- Optic Nerve
- Pupil
- Retina
- Sclera
- Vitreous humor

Label the feedback loop with the following
(some may be used more than once, others not at all)

- ACTH
- Adrenal
- GH
- Glucagon
- Hypothalamus
- Insulin
- Liver
- Pancreas
- Pituitary
- T₃ & T₄
- Thyroid
- TRH
- TSH

