

Name_____ Date_____

Period_____

Questions on [Human Body Pushing the Limits Sight](#). Start at 1:40.

1. How many colors can we distinguish?
2. What percent of the neurons in the human brain are used for visual processing?
3. What are the shock absorbers for the eyeballs?
4. What photoreceptors are helpful in spotting movement?
5. The pinhead sized dot (fovea) in the retina holds how many cones? What do the cones detect?
6. What are the three main colors we detect (especially in the dark)?
7. How can we detect items in the dark with just a few clues?

Questions on [Human Body Pushing the Limits Sensation: Touch/Pain](#) Start at 1:15.

8. How many touch receptors are present per square inch of skin?
9. How quickly does a nerve impulse travel?
10. What does the sleeve of fat (myelin) do to help with our sense of touch and precision movements?
11. What parts of our bodies have the most sensitivity receptors?
12. How do our bodies respond to water deprivation?

Questions on [Human Body Pushing the Limits Brainpower](#). Start at 8:15

13. How does your sense of taste change when you are deprived of certain nutrients?
14. Why might we enjoy foods that cause us pain...like hot peppers?
15. How do the brain's pleasure centers (limbic system) respond to eating chocolate vs. kissing?