

- 20) _____ numbing agents which block the sensation of pain by keeping sodium ions from entering and leaving the cell membranes of neurons
- 21) _____ the ability to see objects far away, but not near to you
- 22) _____ the ability to see objects near you, but not far away
- 23) _____ the inability to perceive one or more colors
- 24) _____ the loss of memory that may be caused by a blow to the head

Choose the correct answer from the following questions:

- 1) Your friend Shelly suffers from myopia (nearsightedness). You remember from your physics class that concave lenses cause light waves to spread or diverge and that convex lenses cause light waves to converge. What type of corrective lenses would you suggest to your friend - concave or convex lenses?

- 2) Excess secretion of growth hormone after long bone growth has ended (as an adult) is called:
 - A) dwarfism
 - B) epilepsy
 - C) gigantism
 - D) hyperthyroidism

- 3) The inability to see distant objects is termed "nearsighted" or:
 - A) goiter
 - B) myopia
 - C) hyperopia
 - D) astigmatism

- 4) Sensorineural deafness occurs when there is damage within or beyond the:
 - A) inner ear
 - B) middle ear
 - C) outer ear

Application Question:

As a person ages, the speed of nerve impulses through action potentials and the transmission of neurotransmitters decreases. List at least two possible explanations for this occurrence.