1. The central nervous system (CNS) consists of the:

   ☐ heart and lungs

   ☐ eyes and ears

   ☐ muscles and glands

   ☐ brain and spinal cord

2. Loewi's experiment showed that a chemical carries nerve signals to the heart.

   ☐ True ☐ False

3. The part that controls the size of the pupil is the:

   ☐ retina

   ☐ lens

   ☐ cornea

   ☐ iris

4. To focus on a NEAR object, the lens becomes:

   ☐ larger overall

   ☐ opaque

   ☐ thinner (flatter)

   ☐ fatter (more curved)

5. Which hormone saved Leonard Thompson in 1922?

   ☐ Adrenaline

   ☐ Insulin

   ☐ Oestrogen

   ☐ Testosterone

6. Homeostasis is the maintenance of:

   ☐ a fixed body size

   ☐ a constant internal environment

   ☐ a constant outside temperature

   ☐ the same diet

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8. In shoots, auxin makes cells grow longer.

   ☐ True ☐ False

9. A reflex action is fast and automatic, not consciously controlled.

   ☐ True ☐ False

10. Some drugs work by blocking receptors at synapses.

    ☐ True ☐ False

1. **brain and spinal cord**

   The CNS is the brain and spinal cord.

2. **True**

   The second heart slowed too.

3. **iris**

   The iris adjusts the pupil size.

4. **fatter (more curved)**

   A fatter lens bends light more for near objects.

5. **Insulin**

   Extracted from pancreases.

6. **a constant internal environment**

   Homeostasis keeps internal conditions steady.

7. **37**

   About 37 °C – the optimum for enzymes.

8. **True**

   Cell elongation.

9. **True**

   Reflexes protect the body before conscious thought.

10. **True**

    Others copy neurotransmitters.

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