Homeostasis and Response
Multiple Choice Questions

Set 5 (Biology HT Only)

Tick **one** box.

1. Which of these describes the process of deamination?
   - A. amino acids are turned into ammonia ☐
   - B. ammonia is turned into urea ☐
   - C. glucose is reabsorbed into the blood ☐
   - D. urine is produced by the kidneys ☐

2. Which of the following is used in the food industry to control the ripening of fruit?
   - A. auxins ☐
   - B. ethene ☐
   - C. gibberellins ☐
   - D. tropisms ☐

3. Which of these is **not** true about ADH?
   - A. it causes concentrated urine to be produced ☐
   - B. it causes the kidney tubules to reabsorb more water from urine ☐
   - C. it is secreted by the adrenal gland ☐
   - D. more of it is produced when you are dehydrated ☐

4. Which of these hormones is primarily responsible for the control of metabolism?
   - A. adrenaline ☐
   - B. progesterone ☐
   - C. testosterone ☐
   - D. thyroxine ☐

5. Which of these describes how sweating contributes to the maintenance of a constant internal body temperature?
   - A. blood vessels constrict so less energy is radiated from the surface of the skin ☐
   - B. blood vessels widen so more energy is radiated from the surface of the skin ☐
   - C. muscles contract and relax rapidly to transfer energy to the body by heating ☐
   - D. water evaporates from the surface of the skin, transferring energy to the environment by heating ☐

6. What is the name of the molecule stored in the liver which is broken down when blood sugar levels are too low?

   A. glucagon ☐
   B. glucose ☐
   C. glycogen ☐
   D. insulin ☐

7. Which of these is true about the eye condition myopia?

   A. distant objects look blurred ☐
   B. it can be caused by having a shorter eyeball ☐
   C. it is another term for being long sighted ☐
   D. it is treated by wearing glasses with convex lenses ☐

8. Which of the following hormones inhibits the release of both LH and FSH?

   A. oestrogen ☐
   B. progesterone ☐
   C. testosterone ☐
   D. thyroxine ☐

9. Which of the following terms describes the tendency of a plant shoot to grow towards light?

   A. geotropism ☐
   B. gravitropism ☐
   C. phototropism ☐
   D. solartropism ☐

10. Which of these is **not** a use of plant auxins?

    A. hormone rooting powders ☐
    B. increased flower production ☐
    C. tissue culture ☐
    D. weedkillers ☐