

Self-test questions

Option D (HL)

- 1 Which hormones bind to receptors on the outside of their target cells?
 - A steroid hormones such as estrogen
 - B steroid hormones such as thyroxine
 - C peptide hormones such as FSH
 - D peptide hormones such as insulin
- 2 Where are steroid hormones secreted?
 - A into the stomach
 - B into the bloodstream
 - C into the pituitary gland
 - D into the small intestine
- 3 Hormones secreted by the pituitary gland control:
 - i growth
 - ii digestion
 - iii developmental changes
 - iv homeostasis
 - A i, ii, iii and iv
 - B i, ii and iii only
 - C ii, iii and iv only
 - D i, iii and iv only
- 4 The Bohr shift demonstrates that:
 - A the affinity of hemoglobin is increased in the presence of high carbon dioxide concentrations
 - B the affinity of hemoglobin for oxygen is increased by temperature
 - C the affinity of hemoglobin for oxygen is unaffected by temperature
 - D the affinity of hemoglobin for oxygen is reduced in the presence of high carbon dioxide concentrations
- 5 What is the effect of exercise on ventilation rate and tidal volume?
 - A Ventilation rate increases, tidal volume decreases.
 - B Ventilation rate decreases, tidal volume increases.
 - C Ventilation rate increases, tidal volume is unchanged.
 - D Both increase.