

Foundation Separate version — Higher Tier (★) questions removed.

**Q1. Compare the nervous system and the endocrine system in terms of speed, duration and specificity of response.**

[3 marks]

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**Q2. Name FOUR endocrine glands in the human body and state the hormone each produces and its function.**

[4 marks]

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**Total: 7 marks**

**Q1 (3 marks)**

*Compare the nervous system and the endocrine system in terms of speed, duration and specif...*

- Nervous: fast electrical signals, short-lived, very specific target [1]
- Endocrine: slower chemical hormones in blood, longer-lasting effects [1]
- Endocrine: hormones affect all target organs with the right receptor; nervous affects specific single effector [1]

**Q2 (4 marks)**

*Name FOUR endocrine glands in the human body and state the hormone each produces and its f...*

- Pancreas: insulin (lowers blood glucose) and glucagon (raises blood glucose) [1]
- Pituitary: FSH/LH (controls reproduction), ADH (water balance), growth hormone [1]
- Adrenal glands: adrenaline (fight or flight response — increases heart rate) [1]
- Thyroid: thyroxine (controls metabolic rate) / Testes: testosterone / Ovaries: oestrogen/progesterone [1] — any 4 correct