

Solutions

2.1 Answer: B. Progesterone builds and maintains the uterine lining. The other options do not satisfy the stated defining conditions.

2.2 Answer: B. Hormones travel the bloodstream: slow, sustained, and selective only via receptors. Compare the exact process, design or evidence, rather than an associated keyword.

2.3 Use the worked case evidence to support a bounded claim and explain why a causal, universal or stronger claim needs additional evidence. The claim must fit the specific design and observed process.

3.1 Blood distributes the signal widely, but cells need suitable receptors and downstream machinery to respond. The presence of hormone alone does not establish the same effect in every tissue. A useful investigation measures receptor context and a specified response, rather than inferring behaviour directly from a circulating concentration. Award B1 each (authored) for the interpretation, its reasoning, a relevant limitation/alternative and an appropriate check, up to four points. Accept a different justified answer satisfying these demands.