

Name(s) _____ Group _____



A mated pair of cheetahs is introduced into a remote area inhabited by a large herd of antelope. A healthy adult antelope of this species runs at an average speed of 32 kilometers per hour (kph); cheetahs can run as fast as 96 kph. After 7 generations of antelope, scientists study the area to see what has happened. They find that the healthy adult antelopes in the area are running at a much faster speed, 64 kph.



Furthermore the tibias (leg bones) of healthy adult antelopes in this population are 5% longer than were those than their ancestors. Propose a hypothesis for this and explain the “factors” and “steps” in detail.

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