

8. A research team has genetically engineered a strain of fruit flies to eliminate errors during DNA replication. The team claims that this will eliminate genetic variation in the engineered flies. A second research team claims that eliminating errors during DNA replication will not entirely eliminate genetic variation in the engineered flies.
- (a) **Provide** ONE piece of evidence that would indicate new genetic variation has occurred in the engineered flies.
 - (b) **Describe** ONE mechanism that could lead to genetic variation in the engineered strain of flies.
 - (c) **Describe** how genetic variation in a population contributes to the process of evolution in the population.

STOP

END OF EXAM