

Additional file 2: Text Intervention Worksheet Tasks

1. Name the factors referred to as "mechanisms of evolution" in the "wingless flies" text and briefly explain them.
2. Indicate why the wingless flies on the islands have selective advantages compared to the normal (winged) flies.
3. Explain who or what "decides" whether a mutation is positive or negative. Argue whether the same mutation can be sometimes positive and sometimes negative.
4. Explain why albinos are rare in nature.
5. Justify why sexual reproduction has advantages over asexual reproduction when environmental conditions change.