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| **LEAST RISKY** - Fill in the gaps  **Adaptation (y7 explanation)** Predators Prey Camouflaged Banana Survival  The grasshoppers are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to stop them being eaten by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and to allow them to catch \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **Variation** Breed Offspring Bubble Generation Variation Chance  In each \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of grasshoppers there is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of colour. By \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ some of those will be a similar colour to their background. Only those survive go on to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **Inheritance** Inherit DNA Gene nucleus  The colour of a grasshopper is passed onto their offspring. They \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ this from both parents’ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which will contain the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for colour.  **After many generations** Adapted Generations Flipper  After many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ only those whose parents were accidentally \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ survive and so most grasshoppers are now green. |

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| **QUITE RISKY** Answer the questions using the keyword provided  Adaptation: Camouflaged Predators Prey Survival  How do we know they are adapted?  Variation: Generation Variation Chance Breed Offspring  Why is it important that there is always variation in colour in the species of grasshopper  Inheritance: Inherit DNA Gene  How do grasshoppers inherit there colour?  After many generations: Generations Adapted  How did grasshoppers end up mostly green? |