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| **LEAST RISKY** - Fill in the gaps**Adaptation (y7 explanation)** Predators Prey Camouflaged Banana SurvivalThe 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 nucleusThe 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 FlipperAfter 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 providedAdaptation: Camouflaged Predators Prey SurvivalHow 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 grasshopperInheritance: Inherit DNA GeneHow do grasshoppers inherit there colour?After many generations: Generations AdaptedHow did grasshoppers end up mostly green? |