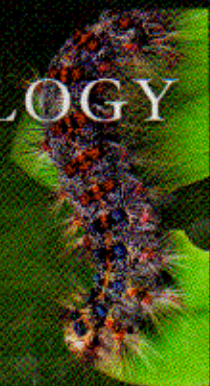


BIOLOGY

Brooker
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On the Cover

The cover shows two stages of the gypsy moth (*Lymantria dispar*). Genes that are expressed in the caterpillar stage encode proteins that produce certain characteristics, such as its striking colors and its ability to feed on leaves. At later stages of development these genes are turned off and other genes are expressed. This change in gene expression results in the traits seen in the adult moth, including feathery antennae on the male moth, which are used to detect pheromones given off by the female.



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