



**Fig. 1.4** Diagram of a bumblebee colony cycle, from the queen emerging from hibernation (left) to new queens (lightly stippled) emerging from cocoons of the third brood (eggs at lower right), mating, and hibernating (right). Note progression of eggs of specific brood packets to become larvae, pupae, and adults, and the use of the empty cocoons for honey or pollen (stippled) storage. The diagram indicates the production of two worker broods and one queen brood, the latter from three separate egg batches.