

## LINKS TO AGRICULTURE



## **Bee-utiful Relationships**



There are about 20,000 different kinds of bees in the world. Bees are four-winged, flower-feeding insects. They have big hind feet, branched or feathered body hairs, and generally a stinger. Honeybees and bumblebees are the most common.

Bees talk with each other about where to find food by <u>dancing</u>. The sounds from the movement of the bees are picked up by the tiny hairs on the bee's head. Bees also use the sun for directions.





Bees are good insects because they produce honey and pollinate crops. **Nectar** is a sweet watery substance found in flowers that the bees gather. After they process the nectar, they <u>spit</u> it back up into the honeycomb cells. Then they fan it with their wings to remove extra water. The final result is honey. A good hive can make and store up to two pounds of honey a day. Thirtyfive pounds of honey provides enough energy for a small colony to survive the winter.

When bees visit flowers to collect nectar, some of the pollen sticks to them when they fly off. This pollen then drops onto another flower resulting in <u>cross pollination</u>. **Cross Pollination** is where the rebuilding information for two plants gets mixed together to make one new plant. The relationship between the plant and the bee is a win-win situation because it is good for both the bee and the plant. This type of situation is called a <u>symbiotic relationship</u>.



TRY THIS FUN GAME FROM NAITCO

## Beebuzz

This is a game in which you take turns with your friends to throw a die and draw a bee on a piece of paper. Any number can play. To play, you need only these instructions, a piece of paper, a pencil, and a six-sided die. The winner is the one who first completes the drawing of the bee.

To play, throw the die in turn. Each person gets one throw per turn. Depending on the number rolled, you may get to draw a part of the bee. The list next to the picture of the bee tells you what to draw based on the number rolled. To start the drawing, you must roll a "3" because whoever rolls this number gets to draw the thorax. All the other parts of a bee come off the thorax.

If you roll a number for a part that is already drawn, then you do not draw anything. You must wait until your turn comes around again to throw the die. Maybe you will be luckier next time.

1 Head

2 Antennae

6 Legs

1 Abdomen

5 Eyes

4 Wings

3 Thorax



