Name: _____ Class: _____ Date: _____

Science Homework – Classification of Organisms

CLASSIFICATION OF THE COMMON HONEYBEE		
Level of Classification		**Organisms Included in Each Level of Classification**
Kingdom	Animal	Birds, mammals, worms, insects
Phylum	Arthropoda	Insects, crustaceans, spiders
Class	Insecta	Beetles, flies, butterflies, bees
Order	Hymenoptera	Sawflies, ants, wasps, bees
Family	Apidae	Social bees such as bumble bees and honeybees
Genus	Apis	Various species of honeybees
Species	*Apis mellifera*	Only other members of this species

Use the chart for questions 1-3:

1. What family is the honeybee a part of? _____

2. Are bees more like beetles or spiders? How can you tell?

_____

_____.

3. Why are cats and honeybees both classified in the same kingdom?

_____

_____.

4. Which of the following is true about members of the same species?
   a. They all look identical

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b. They come from different genera
c. They are able to breed together and produce offspring
d. Their body structures are very different

5. Two different farms raise honeybees. At one farm the bees are called *Apis cerana* and at the other farm, the bees are called *Apis mellifera*. True or False: the *Apis cerana* and the *Apis mellifera* can breed and produce offspring.

_____

6. What is the main thing scientists look at to classify organisms?

_____

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