

1. For each behavior, write **I** if it is an instinct or **L** if it is a learned behavior.

 I Atlantic green turtles migrate to Ascension Island.

 I Ground squirrels hibernate during the winter.

 L Mother tigers hunt food.

 L You read this worksheet.

 I Pacific salmon return to the stream where they hatched.

 L Chimpanzees call to one another.

2. How could a scientist determine if a behavior is an instinct or is learned.

Scientists could determine if a behavior is an instinct or is learned by conducting an experiment that isolates animals from members of their species while young and then observing their behaviors as adults.

3. Many places are very cold during the winter. If an animal does not have adaptations to live through the cold winter, what two things could it do to survive until the spring? What must the animal have to do these things?

To survive a cold winter, the animal could hibernate or migrate. It will need to have enough stored body energy to last until it can get food again. If it migrates, it must have the ability to travel to another place.

4. For each animal, write **M** if it migrates or **H** if it hibernates.

 M pectoral sandpiper

 H ground squirrel

 H black bear

 M Pacific salmon

 H frogs

 M gray whale

 M monarch butterfly

5. Write the definition of the vocabulary words:

instinct - a behavior that animals begin life with

migration - the movement of a group of one type of animal from one region to another and back again

hibernation - a period of time when an animal goes into a long, deep "sleep"

learned behavior - an activity that a creature is not born knowing how to do

6. When an animal hibernates, its body temperature drops, its breathing rate slows down, and its heartbeat rate falls.

(page A51)