How Animals Sense the World

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Scientists cover a moth's antennae, and it can no longer find flowers. Which claim does this support?
   - the antennae help the moth sense the flowers
   - moths find flowers by hearing them
   - the antennae help the moth fly faster
   - the moth's eyes do not work

2. Two plans test whether ants find sugar by smell. Plan A hides sugar under paper. Plan B puts sugar in plain view. Which plan tests smell better?
   - both plans test smell equally
   - Plan B, because ants can see and smell it
   - Plan B, because ants will find it faster
   - Plan A, because ants cannot see the hidden sugar

3. A student says, "Ears let a deer run from danger." What is missing from this explanation?
   - the brain processing the sound before the legs move
   - the deer's fur changing color in winter
   - the deer's nose smelling food nearby
   - the deer's eyes closing before it runs

4. A cat burned its paw on a stove once. Now it stays off the stove even when it is cold. What explains this?
   - its eyes cannot see the stove
   - the cold stove feels hot to its paws
   - a memory of the burn guides its choice
   - its nose smells the cold stove burning

5. A mouse smells a cat nearby and hides in a hole. What would happen if the mouse's nerves to the brain were blocked?
   - the mouse would smell the cat more strongly
   - the mouse would hide faster
   - the brain would not get the smell message, so it might not hide
   - the mouse would see the cat instead

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How Animals Sense the World

Answer Key - Grade 4 Science Worksheet - Challenge Me

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