How Animals Sense the World

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A student touches ice and quickly says "cold!" Put the steps in order.
   skin senses cold → nerves carry message → brain names it → she speaks
   she speaks → skin senses cold → nerves carry message → brain names it
   brain names it → skin senses cold → nerves carry message → she speaks
   skin senses cold → she speaks → nerves carry message → brain names it

2. A horse was stung by a bee near a fence. Now it stays away from that fence. What explains this?
   the horse's brain stored a memory of the sting
   the horse grew new ears after the sting
   the fence moves away from the horse
   the horse can smell bees from miles away

3. A rattlesnake can find a warm animal in the dark using sensors near its eyes. What information do the sensors collect?
   the animal's smell on the wind
   heat given off by the animal
   sounds made by the animal
   light shining from the animal

4. A puppy chewed a bitter plant once and spat it out. It never chews that plant again. What guided its response?
   a new sense of smell it grew
   the plant moving out of reach
   a memory of the bitter taste
   its fur telling it to stop

5. A student's eyes see a ball flying at her. She catches it. Which part of her body processed the information?
   her eyes her stomach her hands her brain

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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