

Class: \_\_\_\_\_ Name: \_\_\_\_\_

Score: \_\_\_\_ /15

### [1-4] Complete the sentences.

experts

waves

breathe

prey

1. When you \_\_\_\_\_ in or sniff, these odor particles get into your nose.
2. Some \_\_\_\_\_ say that you can distinguish a trillion different kinds of smells.
3. A marine crab moves quickly along the ocean floor and \_\_\_\_\_ its antennas up and down.
4. The Jacobson's organ tells the snake whether the smell is a predator or \_\_\_\_\_.

### [5-8] Choose the correct words.

5. There are hundreds of odor ( particles / predators ) in the air.
6. The brain interprets the signals and ( waves / recognizes ) the smell.
7. The antennas pick up different ( scents / senses ) in the water.
8. A sense of smell tells animals where predators and food ( sources / processes ) are.

### [9-11] Read and answer the questions.

Smelling is a complicated process. Your nose and brain must work together. There are hundreds of odor particles in the air. When you breathe in or sniff, these odor particles get into your nose. Inside your nose, there are a lot of smell receptors. These receptors catch odor particles and send signals to the brain. Then, the brain interprets the signals and recognizes the smell.

9. What two body parts work together to smell something?  
Ⓐ the nose and tongue      Ⓑ the tongue and brain      Ⓒ the brain and nose

**10.** What catches odor particles in the air?

- Ⓐ the brain                      Ⓑ smell receptors                      Ⓒ the tongue

**11.** When do odor particles in the air NOT get into the nose?

- Ⓐ when you breathe in  
Ⓑ when you sniff  
Ⓒ when you sneeze

**[12-15] Read and answer the questions.**

Most animals have a sense of smell. It tells them where predators and food sources are. Some animals use their noses to smell, but other animals use different body parts.

Marine crabs smell with their antennas. Marine crabs have two pairs of antennas between their eyes. A marine crab moves quickly along the ocean floor and waves **its** antennas up and down. The antennas pick up different scents in the water. The antennas are covered with tiny hairs. These thin, short hairs identify different smells. This is how the crab knows if any food sources are nearby.

**12.** What is the second paragraph mainly about?

- Ⓐ how marine crabs smell  
Ⓑ where marine crabs live  
Ⓒ how many antennas marine crabs have

**13.** What body part of a marine crab picks up different scents in the water?

- Ⓐ their eyes                      Ⓑ their antennas                      Ⓒ their noses

**14.** What does **its** refer to?

- Ⓐ a marine crab                      Ⓑ an antenna                      Ⓒ a tiny hair

**15.** What is NOT true?

- Ⓐ Not all animals use their noses to smell.  
Ⓑ Marine crabs smell with their noses.  
Ⓒ A sense of smell tells marine crabs where food sources are.