

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Section 10.4: Exploring Beneath the Ocean

**Key Question: How can people explore beneath the ocean?**

### BEFORE YOU READ

Work with a partner. Read each heading in Section 10.4. Then use your own experiences and background knowledge to try to answer each question below.

1. How can people breathe underwater?

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2. How can people control whether they float or sink?

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3. What technology is used to control buoyancy?

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4. How can people survive the water pressure in the deep ocean?

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5. What contributions has Canada made to ocean exploration?

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### WHILE YOU READ

Read each part of the section. Look carefully at the pictures, and read the captions. After reading each part, ask yourself these questions:

- What is the main idea?
- How does this information help me understand how people can explore beneath the ocean?

### AFTER YOU READ

After you have read this section, take brief notes about what you have read. Refer back to your textbook if necessary to find the important information.

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## Section 10.4: Exploring Beneath the Ocean (continued)

### THE CHALLENGE OF BREATHING UNDERWATER

Early divers ...	Divers today ...

### FLOATING AND SINKING—CONTROLLING BUOYANCY

Floating happens when ...	Sinking happens when ...

### USING TECHNOLOGY TO CONTROL BUOYANCY

Divers control buoyancy by ...	Submarines control buoyancy by ...

### SURVIVING WATER PRESSURE IN THE OCEAN DEPTHS

Water pressure is \_\_\_\_\_

#### Underwater Vehicles

### CANADA'S CONTRIBUTION TO OCEAN EXPLORATION

Newt Suit	Deep Worker	Neptune Project