

Name: _____ Date: _____

Section 5.4: Fluids under Pressure

Key Question: How do fluids behave under pressure?

BEFORE YOU READ

Look at the figures and captions, and yellow-highlighted vocabulary words. Skim the sample problem on page 148. Predict what you will learn by reading Section 5.4.

WHILE YOU READ

Read pages 147-150

Use the following questions to guide you as you write notes for this section.

1. What is pressure?

2. How is pressure measured?

3. What is atmospheric pressure? What factors affect atmospheric pressure?

4. How does pressure change as you rise above Earth's surface?

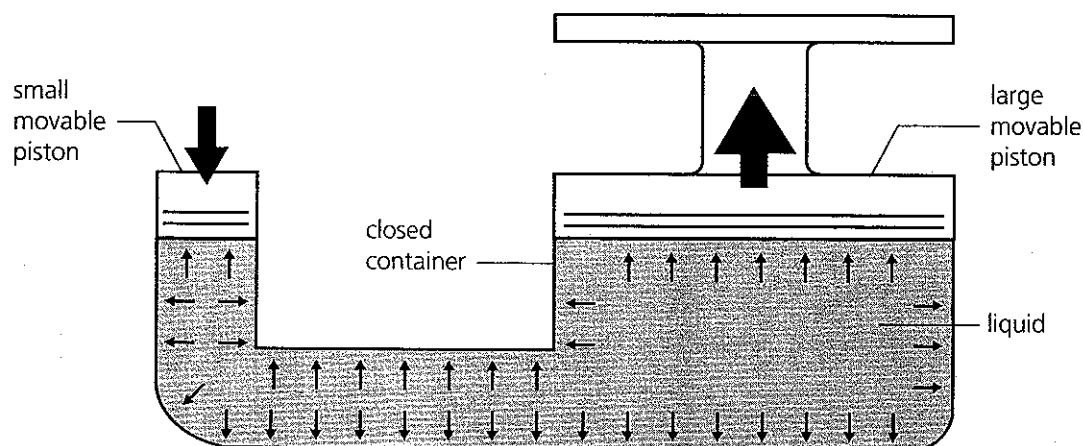
5. How does pressure change as you go deeper in water?

AFTER YOU READ

With a partner, discuss the following statement: An object immersed in a fluid will experience pressure.

Do Cyu # 1-5 page 150

Explain the diagram below. Include vocabulary such as *lift*, *load pressure*, *closed system*, *movable piston*, and *liquid*.

[illegible]