

SECTION 3-1 REVIEW AND REINFORCE

Pressure

◆ Understanding Main Ideas

Answer the following questions in the spaces provided.

1. What causes pressure in fluids?

All the forces exerted by the individual molecules in the fluid added

2. What is the mathematical relationship between force, pressure, and area?

$$P = \frac{F}{A}$$

together to create pressure in a fluid

3. How does air pressure relate to elevation?

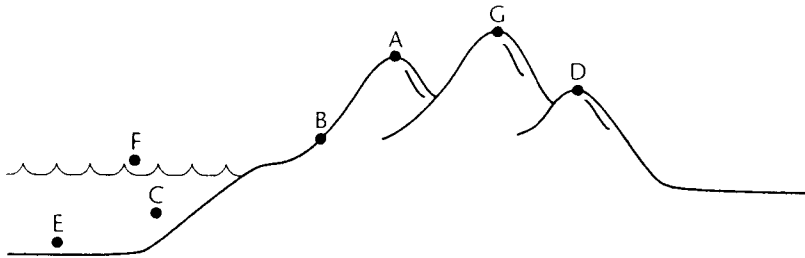
Air pressure decreases as elevation increases

4. How does water pressure relate to depth?

Water pressure increases as depth increases

5. List the locations in the drawing below in order from least pressure to greatest pressure.

G A D B F C E



◆ Building Vocabulary

Write an answer for each of the following questions in the spaces provided.

6. What is pressure?

measure of force exerted on an area

7. What is a fluid?

Any substance that can easily change its shape or flow

8. What is one pascal of pressure?

One Newton of force applied to one square meter of area