

**Forces in Fluids** ▪ *Key Terms*

# Key Terms

Answer the questions by writing the correct Key Terms in the blanks. Use the circled letter in each term to find the hidden Key Term. Then write a definition for the hidden Key Term.

1. Whose principle states that when force is applied to a confined fluid, an increase in pressure is transmitted equally to all parts of the fluid?

\_\_\_\_\_  \_\_\_\_\_

2. What is the force that acts in an upward direction, against the force of gravity, so it makes an object feel lighter?

\_\_\_\_\_  \_\_\_\_\_

3. What kind of system multiplies by transmitting pressure to another part of a confined fluid?

\_\_\_\_\_  \_\_\_\_\_

4. What is the unit of pressure equal to  $N/m^2$ ?

\_\_\_\_\_  \_\_\_\_\_

5. What is the measurement of how much mass of a substance is contained in a unit of volume?

\_\_\_\_\_  \_\_\_\_\_

6. What is a substance that can easily flow?

\_\_\_\_\_  \_\_\_\_\_

7. Whose principle states that the buoyant force on an object is equal to the weight of the fluid displaced by the object?

\_\_\_\_\_  \_\_\_\_\_

8. Whose principle states that the pressure exerted by a moving stream of fluid is less than the pressure of the surrounding fluid?

\_\_\_\_\_  \_\_\_\_\_

Key Term: \_\_\_\_\_

Definition:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Forces in Fluids**