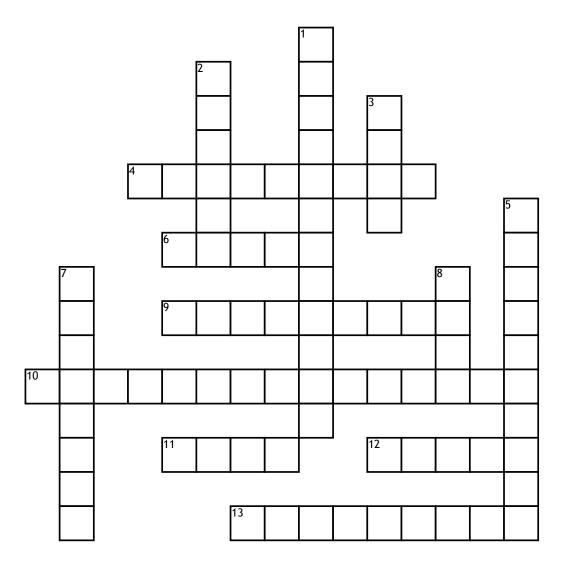
Name:	Date:	

## Forces in Fluids



14				

## **Across**

- **4.** What happens to water pressure when depth increases?
- **6.** Objects less dense than the fluid they are in will \_\_
- **9.** discovered that as speed of a fluid increases, the pressure within the fluid decreases
- **10.** A device that uses pressurized fluid acting on pistons to change force

- **11.** Object is more dense than the fluid it is in will
- **12.** A \_\_\_\_\_\_ is a substance that assumes the shape of its container
- **13.** What happens to air pressure as altitude increases?
- **14.** The result of a force distributed over an area

## **Down**

1. Upward force acting opposite direction of gravity is

- 2. The SI unit for pressure
- **3.** Calculate pressure by dividing the force by the
- **5.** Greek mathematician credited discovering buoyant force
- **7.** Ability of a fluid to exert an upward force on an object
- **8.** Pressure difference between top and bottom of the wing