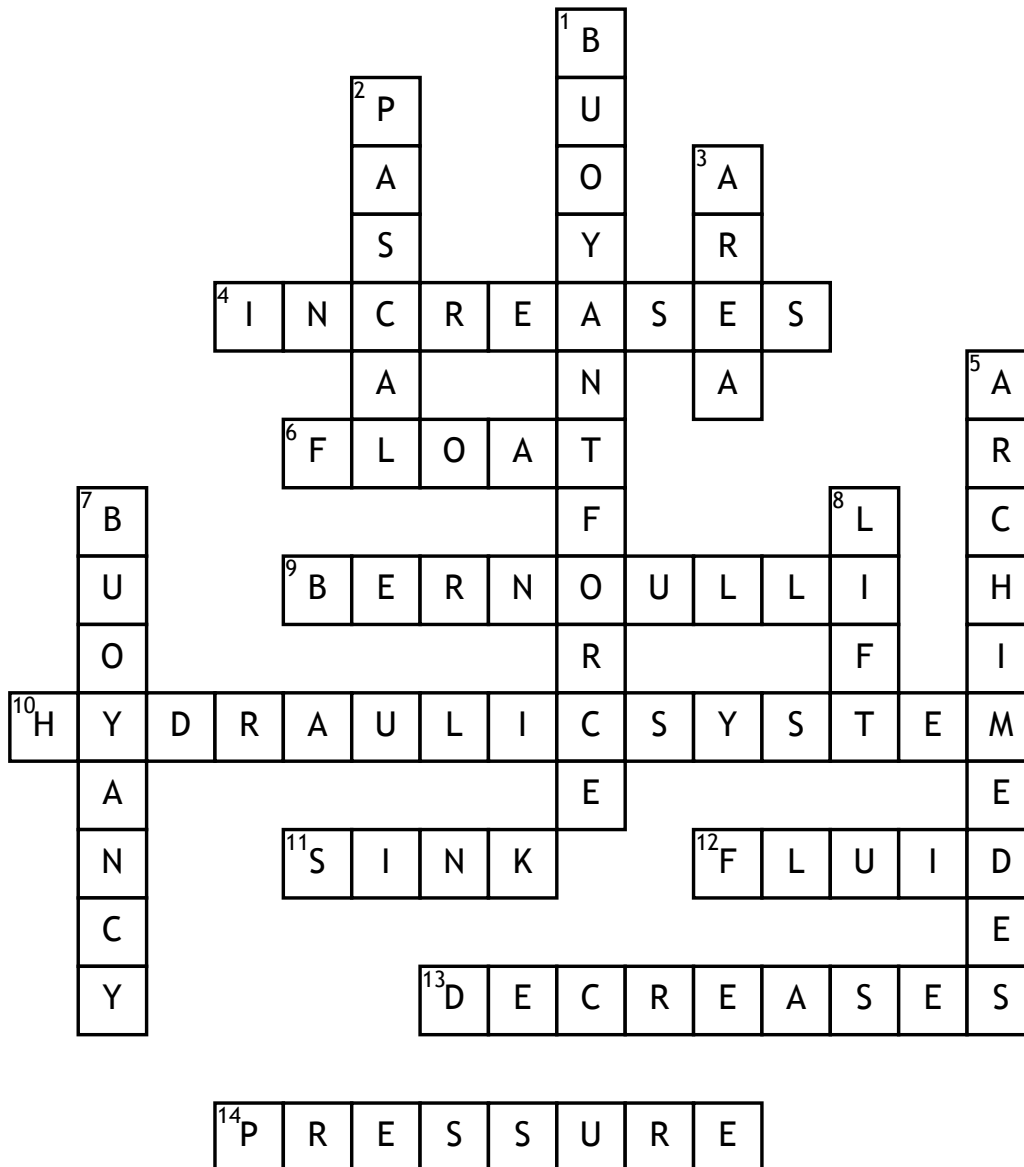


Name: _____

Date: _____

Forces in Fluids



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