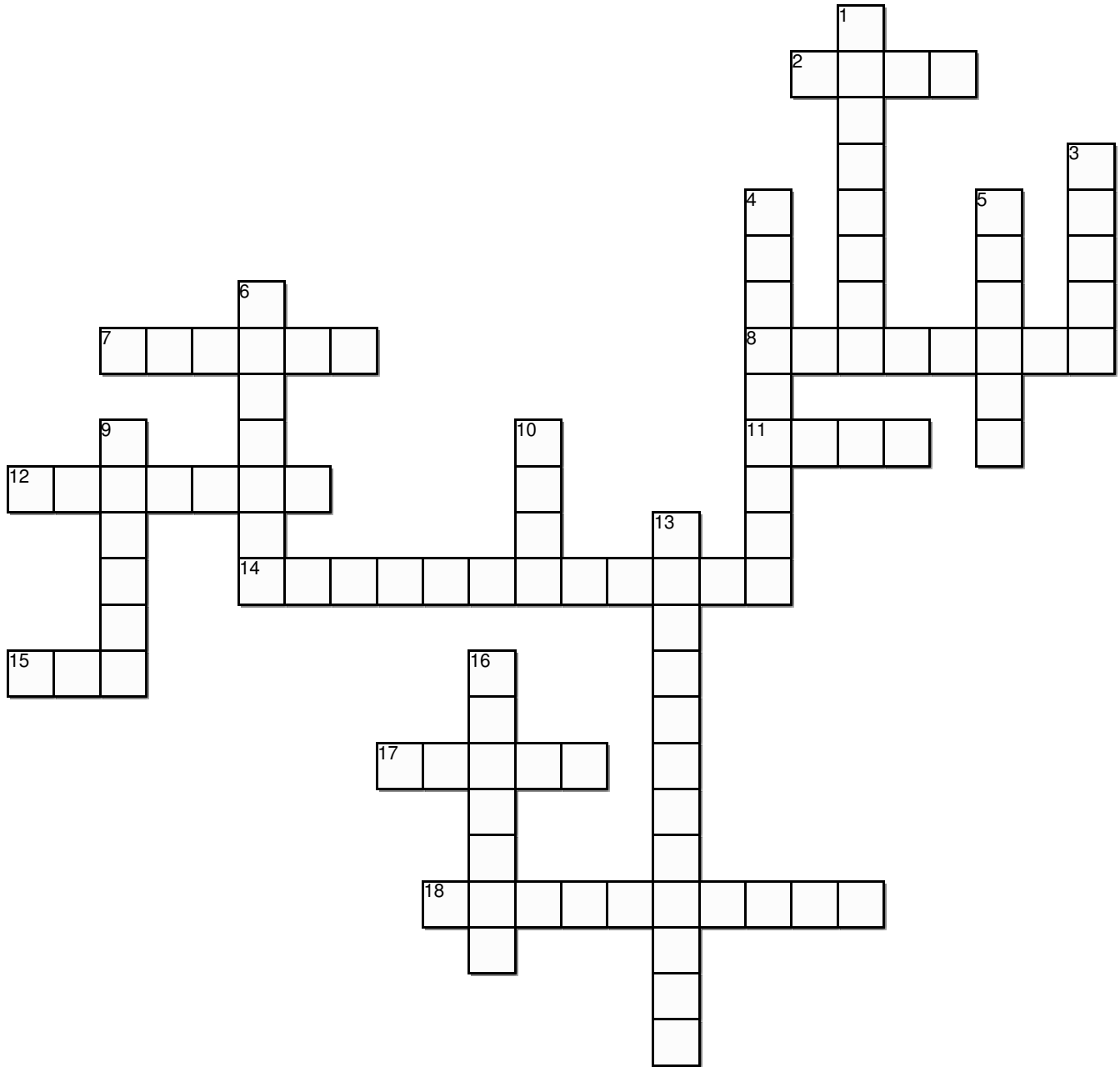


Name: \_\_\_\_\_

# Bernoulli's Principle Vocabulary

Use your resources to solve the puzzle.



Created on [TheTeachersCorner.net](http://TheTeachersCorner.net) Crossword Maker

- |        |          |          |              |        |         |              |       |         |
|--------|----------|----------|--------------|--------|---------|--------------|-------|---------|
| glider | pressure | airplane | aerodynamics | thrust | airfoil | landing gear | force | balloon |
| flaps  | drag     | gravity  | streamline   | lift   | air     | propeller    | wing  | engine  |

## **Across**

- 2.** the part of an airplane shaped like an airfoil and designed in such a way as to provide lift when air flows around it
- 7.** the part of the plane that provides power, or propulsion, to pull or push the airplane through the air
- 8.** a measure of force over a given area
- 11.** the upward force caused by the rush of air around the wings, supporting the airplane in lift
- 12.** a bag filled with gas or a mixture of gases, that is lighter than air, propelled by the wind, and non-steerable
- 14.** the under structure (wheels, skis or pontoons ) of an airplane which supports it on land or water. Retractable gear folds up into the airplane in flight. A fixed gear does not retract or fold up.
- 15.** a mixture of gases making up the atmosphere which surrounds the earth
- 17.** the moving parts attached to the rear edge of an airplanes wings that are used to increase lift and drag at reduced airspeeds (take-off and landing)
- 18.** the shape of an object which causes air to flow smoothly around it

## **Down**

- 1.** an engine-driven, fixed-wing, heavier-than-air aircraft
- 3.** a push or a pull exerted on an object
- 4.** two or more twisted blades which an engine turns which pull an airplane forward as they turn
- 5.** the force of the engine which drives an airplane forward
- 6.** a streamlined surface designed in such a way that air flowing around it produces lift
- 9.** an airplane without an engine
- 10.** the force that slows down an airplane as it flies through the air
- 13.** the study of forces of air acting on objects in motion relative to air
- 16.** the force which pulls toward the center of the earth