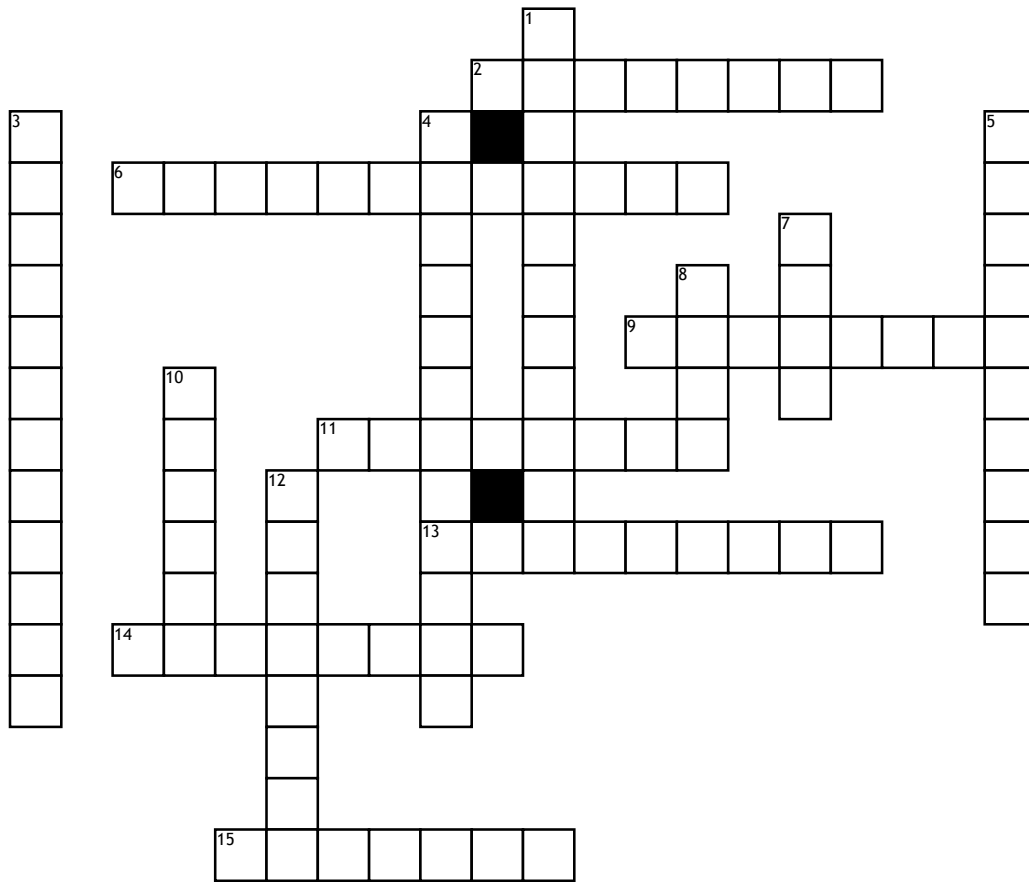


Dragster 2.0 worksheet



Across

2. Occurs when two surfaces are in contact and a force is moving one surface over the other.
 6. Changing shape of an object to reduce pressure and friction caused by air flow
 9. Continuous physical force exerted on or against an object by something in contact with it

11. Controls the vehicles steering
 13. The center of mass
 14. The speed of something in a given direction
 15. how dense something is
Down
 1. What the air stream sees or what you see looking at the front of the car
 3. A change in velocity

4. Mass of the fluid over an infinitesimal volume
 5. A system of shock absorbers and springs
 7. Related to the weight of the vehicle
 8. Occurs when a solid object moves through a gas or liquid
 10. The amount of space occupied by a substance
 12. Controls vehicle speed

Word Bank

| | | | | |
|----------|--------------|---------------|--------------|--------------|
| Volume | Friction | Fluid density | Frontal area | Stability |
| Pressure | Suspension | Steering | Drag | Streamlining |
| Throttle | Acceleration | Velocity | Density | Mass |