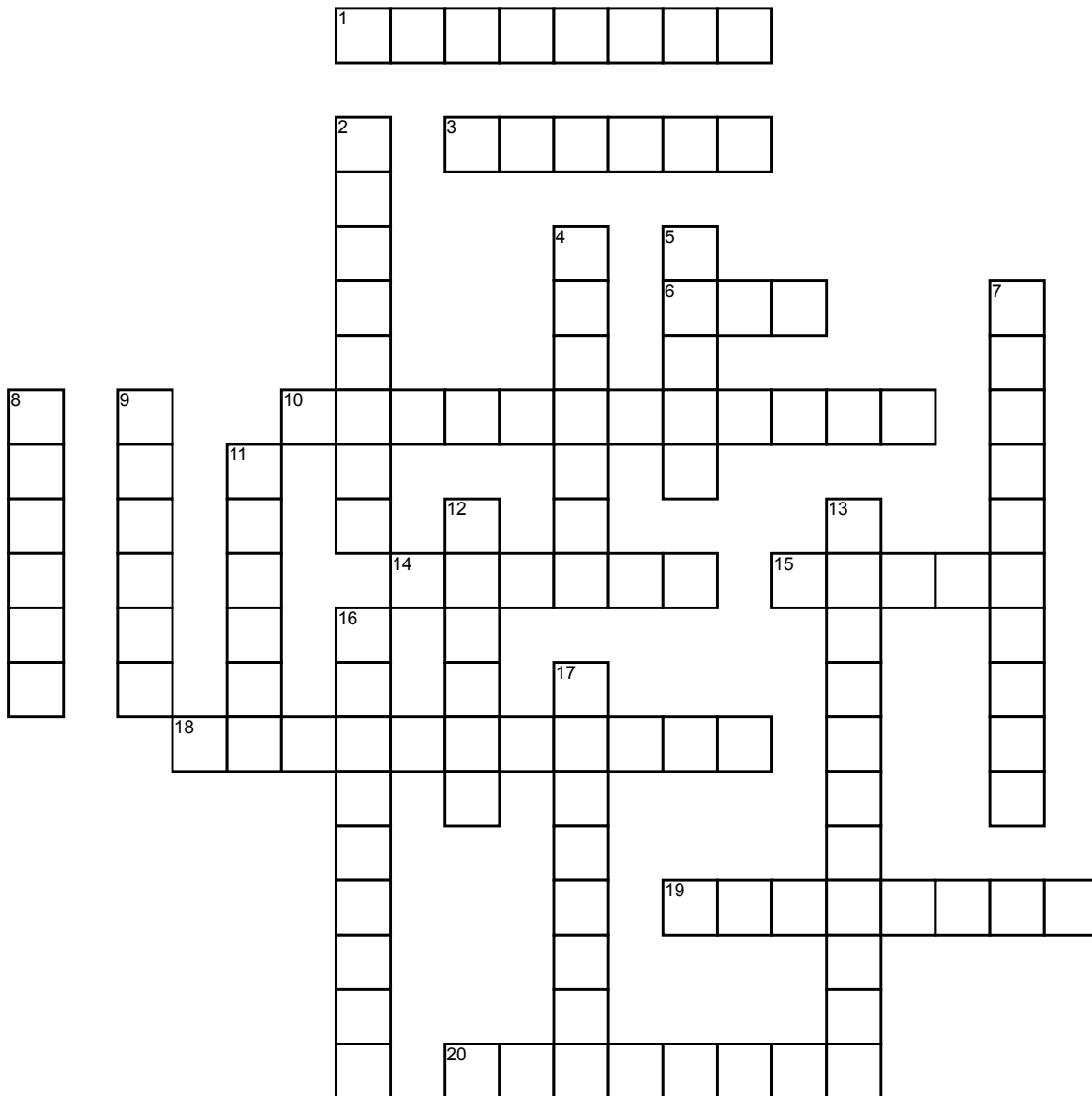


# Engines of the world



## **Across**

1. This substance is extremely light weight and burns with intensity.
3. The state at which oxygen is stored in rockets.
6. The amount of pistons in a 2 stroke engine.
10. The sum of all the cylinder volumes.
14. What compresses the air/fuel mixture in the cylinder?
15. In a normal 2 stroke engine there aren't valves, but there are 2 \_\_\_\_\_.
18. The \_\_\_\_\_ allows the air/fuel mix to enter the cylinder.

19. The \_\_\_\_\_ controls the valve movement in a 4 stroke engine.

20. What is the name of the liquid fuel most commonly used in rockets.

## **Down**

2. "Every action has an equal and opposite \_\_\_\_\_."
4. The \_\_\_\_\_ stroke is when the burned air/fuel mix is blown out.
5. Petrol compression ratios are \_\_\_\_\_ than Diesel.
7. The pistons drive this. It carries the powers to the wheels.

8. What property of space prevents us from using jet engines to travel in it?

9. Rockets work on \_\_\_\_\_'s 3rd law.

11. The name of an element used as an oxidizer.

12. Diesel compression ratios are \_\_\_\_\_ than petrol.

13. The name of the second stroke in a 4 stroke engine.

16. A petrol engine has this, but a diesel engine doesn't.

17. The intake \_\_\_\_\_ is the part of an engine that supplies the fuel/air mixture to the cylinders.