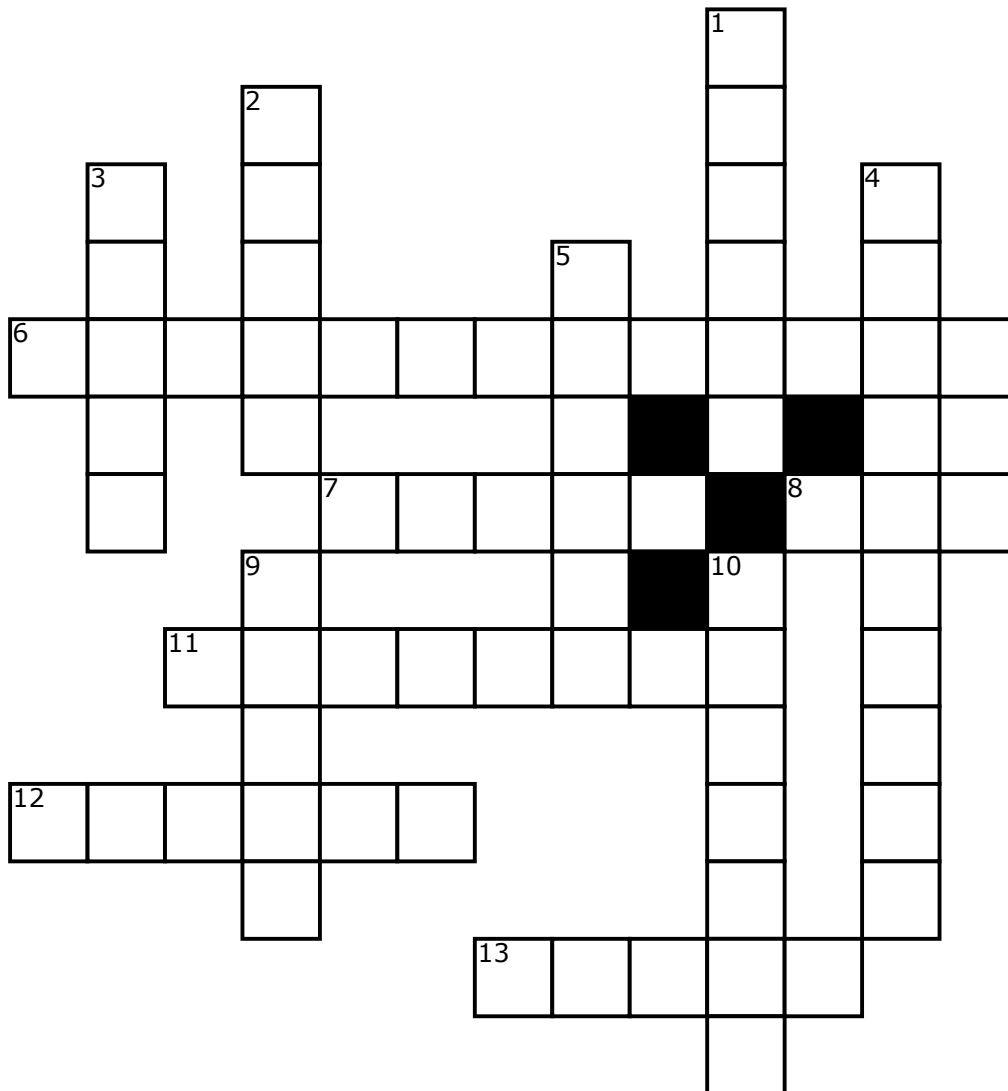


Simple Machines



Across

6. To find how much force needs to be used for a screw, you have _____ and divide by pitch.

7. What machine has the same mathematical equation as the inclined plane?

8. A lever has a fulcrum, an effort, a resistance, and a _____.

11. To find circumference, you divide $3.1416 \times$ _____.

12. The _____ the fulcrum is compared to the object, the less force that needs to be applied.

13. To increase force in a wheel and axle, you would increase the size of the _____.

Down

1. Block and tackle means that more than one _____ was used

2. What is a push or a pull exerted on an object to change its velocity?

3. An arm is an example of which class of lever?

4. The amount that force or motion is magnified in a simple machine is called a _____ advantage

5. To find how much force needs to be used for an inclined plane you have length of slope and divide it by what?

9. What class of lever has a effort at one end, a fulcrum in the middle, and resistance at the end?

10. A pulley consists of a _____ wheel that rotates freely on a frame.