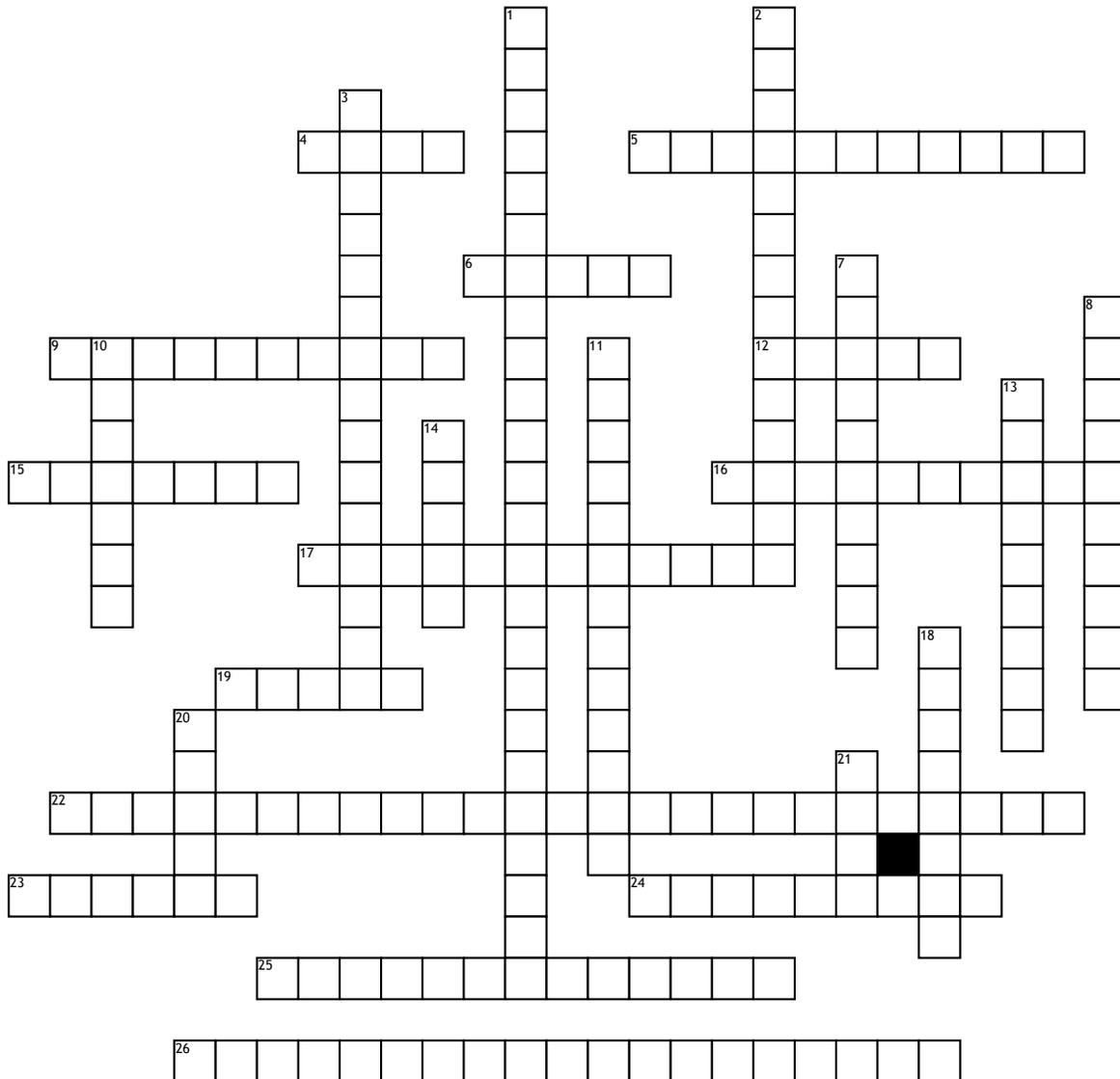


Chapter 14 crossword



Across

- 4. The product of distance and the force in the direction an object moves
- 5. The force exerted from a machine
- 6. A v-shaped object whose sides are two inclined planes sloped toward each other
- 9. The percentage of the work input that becomes work output in a machine
- 12. An inclined plane rapped around a cylinder
- 15. A device that changes a force
- 16. The force excreted on a machine
- 17. A simple machine that consists of two rigidly attached disks or cylinders, each one with a different radius
- 19. A rigid bar that is free to move around a fixed point

- 22. The ratio of the output force to the input force in a machine
 - 23. A simple machine that consists of a rope that fits into a groove in a wheel
 - 24. The distance between the fulcrum in a lever and the output force
 - 25. A slanted surface along which a force moves an object to a different elevation
 - 26. The number of times that a machine increases an input force
- Down**

- 1. The mechanical advantage of a machine in the absence of friction
- 2. The distance an output force acts through in a machine
- 3. A combination of two or more simple machines that operate together

- 7. The work done by a machine as the output force acts through the output distance
- 8. A common unit of power, equal to about 746 watts
- 10. The fixed point a lever rotates around
- 11. The distance through which the input force acts in a machine
- 13. The work done on a machine as the input force acts through the input distance
- 14. The rate of doing work
- 18. The distance between the fulcrum in a lever and the input force
- 20. The SI unit of work, equal to 1 newton-meter
- 21. The SI unit of power, equal to one joule per second