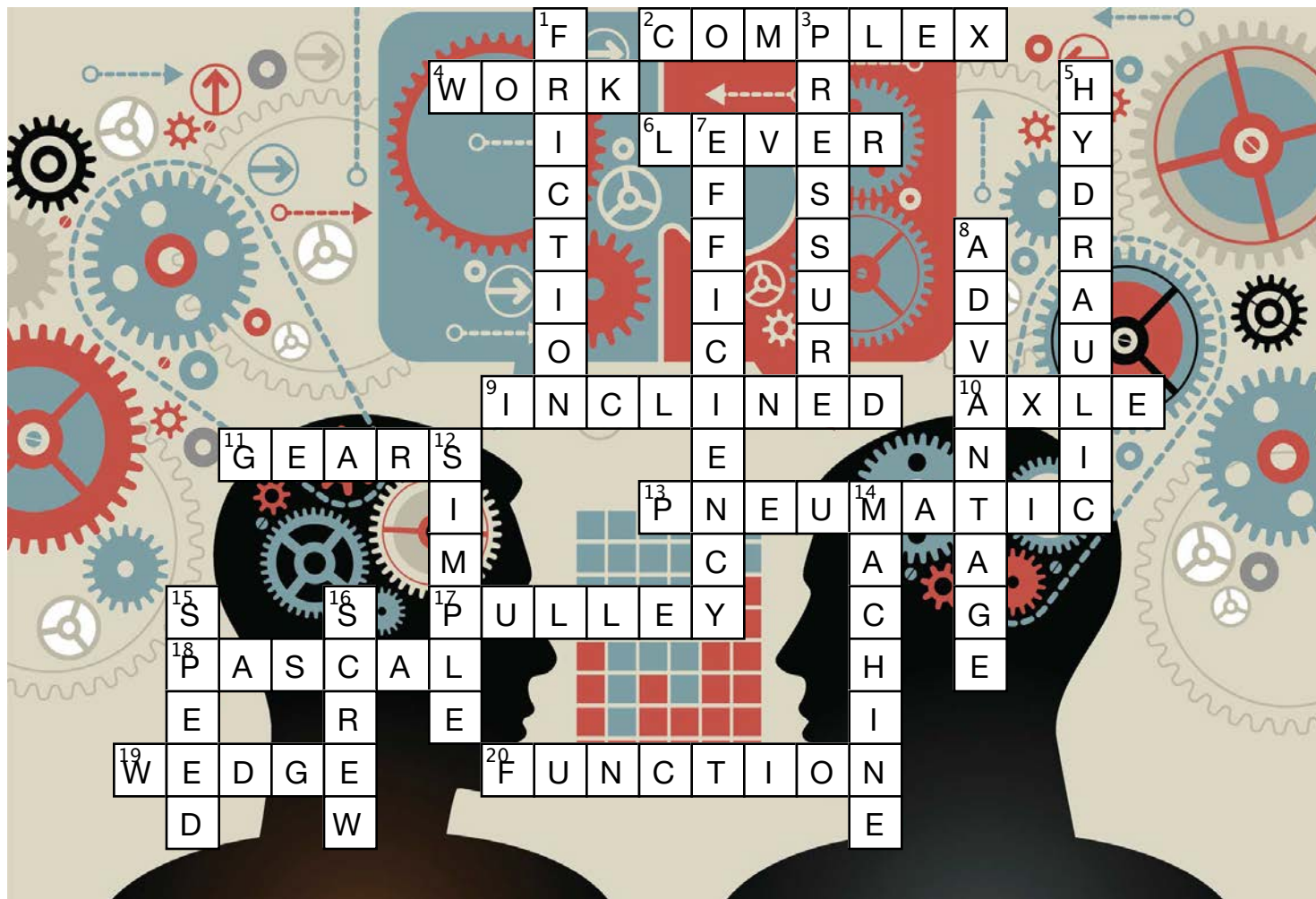


Unit D Review: Mechanical Systems - Review Puzzle

Science 8

ADLC



Across

2. A machine made of more than one simple machine. [COMPLEX]
4. Calculated by multiplying force by distance. [WORK]
6. A simple machine made of a beam that moves on top of a fulcrum. [LEVER]
9. A ramp is an example of the _____ plane simple machine. [INCLINED]
10. A doorknob contains a larger wheel and a smaller _____. [AXLE]
11. Wheels with teeth that are linked together. [GEARS]
13. A system that transfers force through a gas under pressure. [PNEUMATIC]
17. A simple machine made of a system of ropes and grooved wheels. [PULLEY]
18. According to _____'s law, a contained fluid under pressure exerts pressure equally in all directions. [PASCAL]
19. A knife blade is an example of this simple machine. [WEDGE]
20. Evaluating a machine's _____ is deciding how well a machine performs its purpose. [FUNCTION]

Down

1. The force of _____ generates heat and sound, reducing the efficiency of a machine. [FRICTION]
3. The amount of force applied to a specific area. [PRESSURE]
5. A system that transfers force through a liquid under pressure. [HYDRAULIC]
7. A measurement that describes how well a machine uses input work compared to its output work. [EFFICIENCY]
8. Mechanical _____ is calculated by dividing the output force by the input force. [ADVANTAGE]
12. There are six basic _____ machines. [SIMPLE]
14. A device that makes it easier to do work. [MACHINE]
15. The input distance divided by the output distance gives the _____ ratio of a machine. [SPEED]
16. A simple machine that is a long, spiral inclined plane. [SCREW]