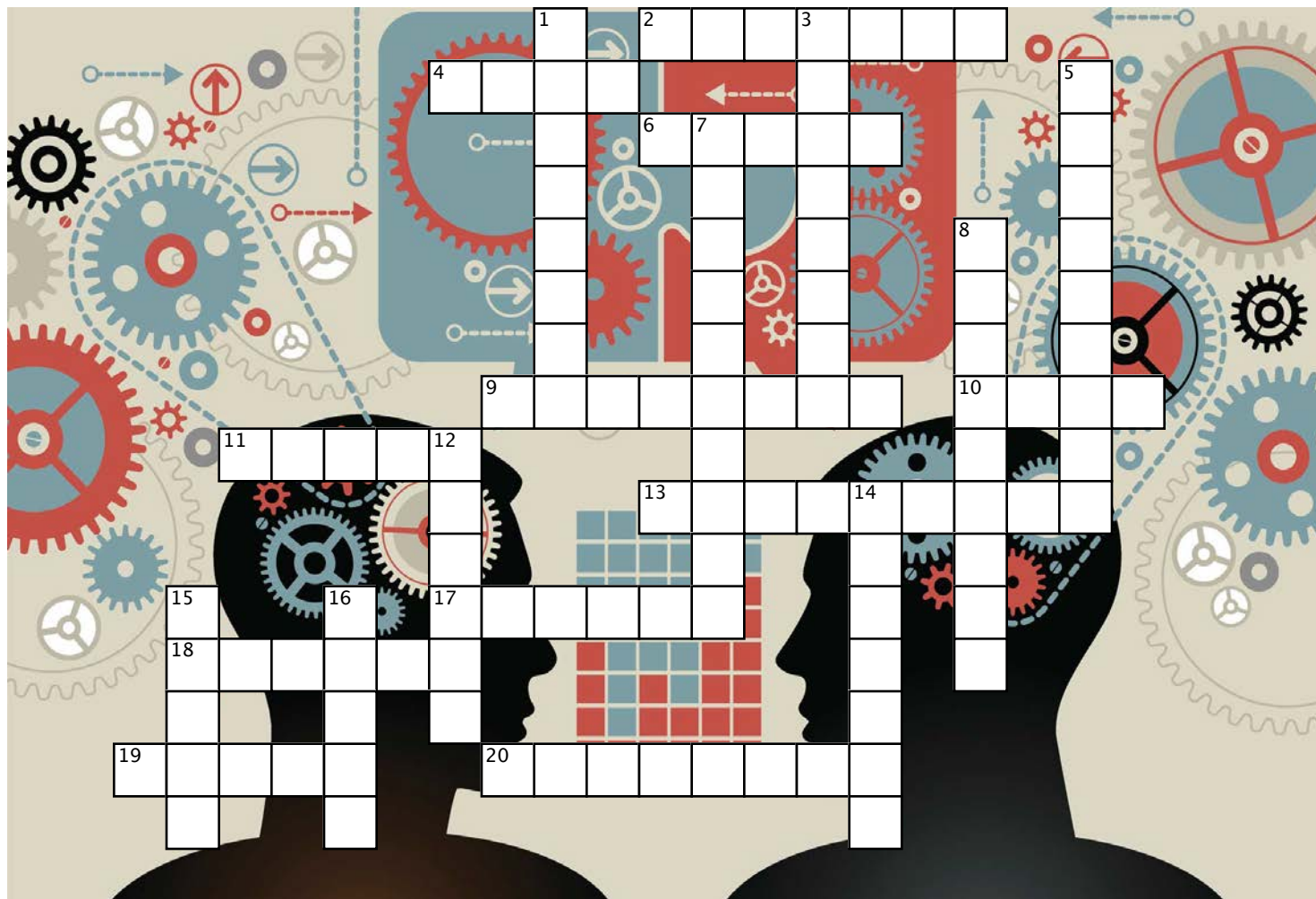


Unit D Review: Mechanical Systems - Review Puzzle

Science 8

ADLC



Across

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

Down

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