

Name: _____

Simple Machine Questions

1. A broom is a lever. Where is the fulcrum? Explain.



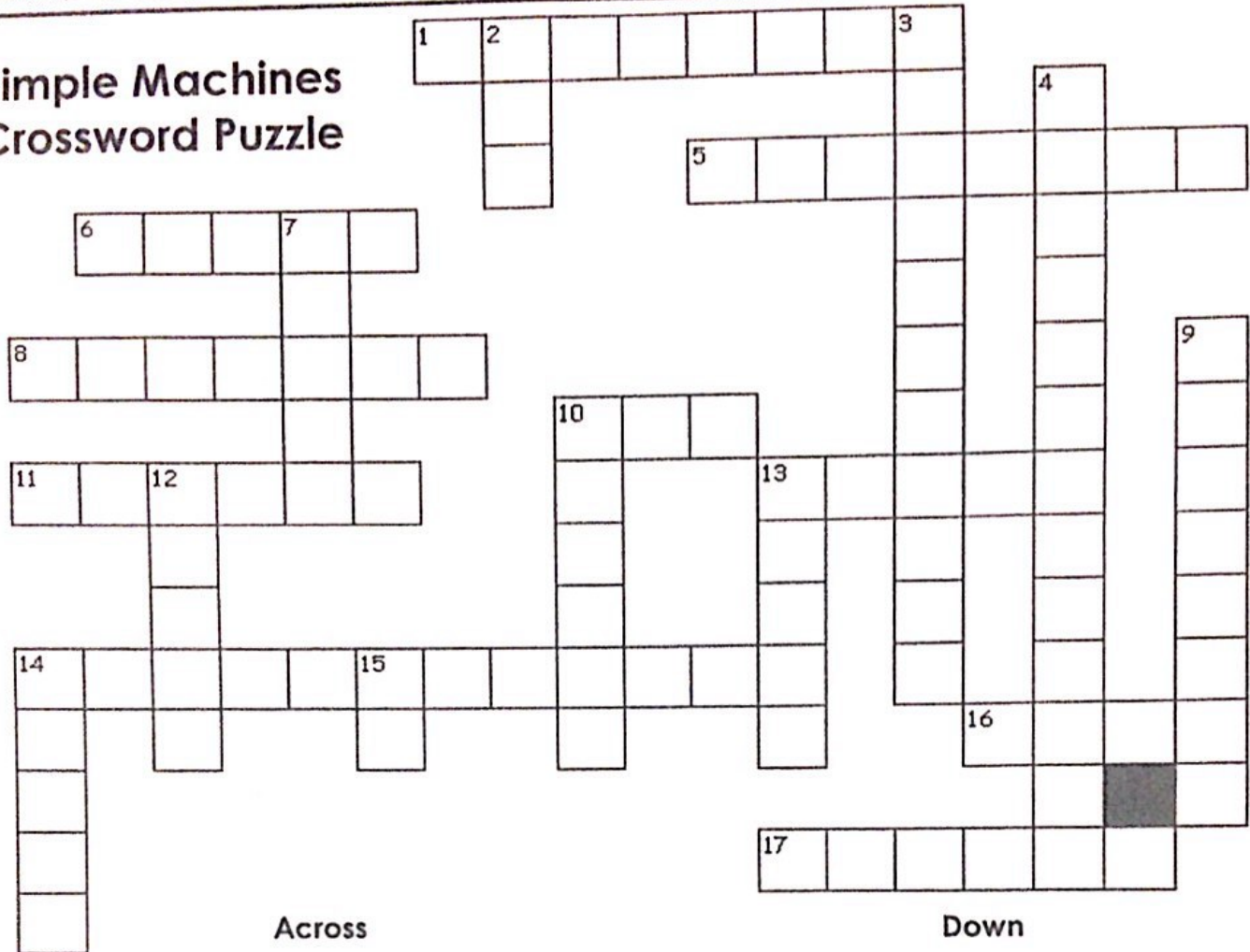
2. An electric fan is made up of several simple machines. Tell where you would find an inclined plane on a fan. Also, tell where you would find a wheel and axle.

3. Explain how the shoelaces on your shoes are similar to pulleys.

4. The floor of a bathtub is an inclined plane. Explain.

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Simple Machines Crossword Puzzle



Across

Down

1. tool with two levers attached together for cutting paper
2. part of a water bottle with a screw
3. wheel and axle tool that is often used with screws
4. type of simple machine that is a flat surface with one end higher than the other
5. wheel and axle device that is turned when you open a door
6. wedge used for cutting food
7. When you push, pull, or turn something you are applying this.
8. fixed point on a lever that doesn't move
9. Pulleys are used to raise a flag up this tall object.
10. number of different types of simple machines
10. lever that kids sit on; often found on a playground
11. type of simple machine that is made of a wheel with a rope or chain
12. type of simple machine made up of a bar that moves on a fixed point, or fulcrum
13. inclined plane that is often found on a playground
13. type of simple machine that is spiral-shaped and pulls two things together
14. type of simple machine that is made of a wheel attached to a rod
14. a simple machine used to separate something; made up of two inclined planes back-to-back
15. wedge used for chopping wood
16. pulleys are used to raise this on a sailboat
17. lever used for digging holes in the ground