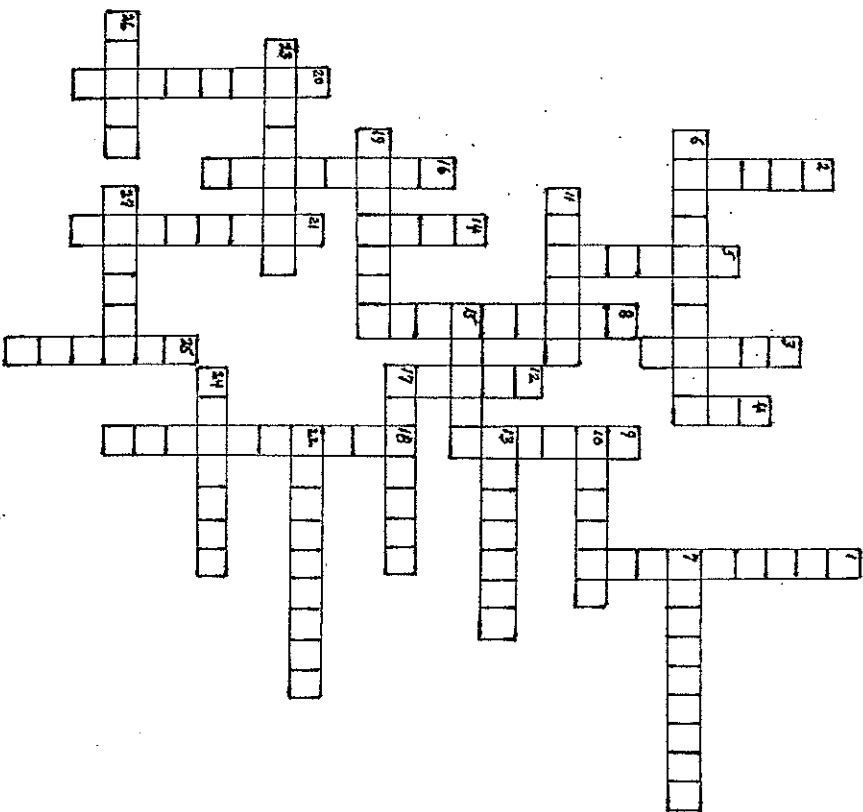


## 75. Puzzling Matter

Use the clues to help you fill in the spaces with terms related to MATTER.



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## Puzzling Matter (cont)

**Across**

6. Color, shape, and hardness are examples.
7. Able to be hammered or rolled into thin sheets.
10. Chemical symbol, Number 8.
11. Another word for "stuff"
13. The action of a solid changing to a liquid state usually through the application of heat.
15. The area separating two objects.
17. Matter with unusual quality.
19. How tightly packed a substance's molecules are; the mass of a substance per unit volume.
22. Matter of definite chemical makeup.
23. A change in matter in which new substances with different properties are formed.
24. Matter being drawn out into wire: copper, for example.
26. Another word for state.
27. A gaseous mixture of highly ionized particles; referred to as the fourth state of matter.

**Down**

1. Matter passes from a solid to a gas without passing through a liquid phase.
2. A common example of a liquid.
3. A state of matter.
4. Not a solid or liquid.
5. A measure of gravity.
8. The science of matter.
9. The amount of space an object takes up.
12. A transparent solid; you can see through it.
14. A measure of the amount of matter contained in an object.
16. This causes water to turn into ice.
18. Rubber has this special stretching quality.
20. A change in matter which does not change the individual molecules.
21. A tiny amount of matter.
25. To shift from one form to another.

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