

Matter review

1. Matter can be made of combinations of different _____.
 2. There are more than _____ known elements.
 3. Most elements are _____ at room temperature.
 4. Elements can not be physically or _____ broken down into simpler substances.
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14. Matter is anything that has _____ and _____.
 15. Is it matter or energy?
 - a. sunlight _____
 - b. air _____
 - c. electricity _____
 - d. sand _____
 16. Is it a chemical property or a physical property?
 - a. 23.9 grams _____
 - b. irregular shape _____
 - c. combines with oxygen _____
 - d. boils at 100C _____
 17. A _____ has no definite shape or volume
 18. A _____ has a definite volume but no definite shape.
 19. The size of a container will determine the volume of _____.
 20. Particles in a _____ have the least motion or kinetic energy
 21. The change from solid to liquid is called _____.
 22. If heat energy is added to a liquid it can become a _____.
 23. Condensation is the change from _____ to _____.
 24. Density is the amount of _____ in a unit of volume.
 25. A substance with a mass of 12.0 grams and a volume of 4.0 cm³ will have a density of _____.
 26. Density is a _____ property of matter.
 27. As temperature increases, density will _____.
 28. As pressure increases, density will _____.
 29. A _____ is the least dense phase of matter _____.
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31. The phase change from solid to liquid is _____.
 32. During melting, heat is _____.
 33. Energy is _____ when a gas changes to a liquid.
 34. Energy is released when a liquid changes to a _____.
 35. Molecules of a _____ have the most heat energy.
 36. a. Temperature when the solid melts is: _____
 - b. Letter at which all the material is a liquid: _____
 - c. Letter where the material has the least energy: _____
 - d. Letter where the material begins to boil: _____

32. A _____ change takes place when matter only changes its appearance.
33. During a _____ change, a new substance forms.
34. Is it physical or chemical change?
- burning wood
 - sawing wood
 - melting ice
 - making yogurt
35. A _____ is a substance made up of two or more elements chemically combined.
36. The smallest part of a compound is a _____.
37. In BaCO_3
- how many different elements are there? _____
 - how many atoms of Carbon are there? _____
38. A _____ can be physically separated.
39. The part of the solution that dissolves is the _____

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