

True or False:

1. T All matter is made up of atoms.
2. F A compound has only one kind of atom.
3. T An element has only one kind of atom.
4. T There are more compounds than elements.
5. F Mixtures are made of substances that are alike.
6. F Table salt is a mixture.
7. T The air is a mixture.
8. T Water is a mixture.
9. F Oxygen is a compound.
10. F We can see atoms.
11. Is Kool-Aid a mixture or pure substance? Explain.



Kool-Aid is a mixture. A powder is mixed with water, which creates a solution (a well-mixed mixture) and it can be separated by physical methods.

Complete The Sentence:

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|---------|-----------|------------------|----------|--------|----------|
| atoms | gases | states of matter | element | liquid | solid |
| mixture | molecules | air | minerals | gas | compound |
1. The three states of matter are solid, liquid, and gas.
 2. Every bit of matter is made up of tiny atoms.
 3. Matter that has only one kind of atom is called a(n) element.
 4. Matter that has two or more different kinds of atoms linked together is called a(n) compound.
 5. Atoms link together to form molecules.
 6. Two or more different things close together is called a(n) mixture.
 7. A mixture may contain any combination of the states of matter.
 8. A mixture that is all around us is the air.
 9. Air is a mixture of gases.
 10. Water has several _____ in it.

minerals

Matching:

- | | |
|---------------------------------|---|
| 11. <u>e</u> element | a) has two or more different kinds of atoms linked together |
| 12. <u>a</u> compound | b) mixed in with water |
| 13. <u>m</u> mixture | c) a mixture of gases |
| 14. <u>g</u> gases and minerals | d) different things close together |
| 15. <u>a</u> air | e) has only one kind of atom |

Decide if the following are mixtures or pure substances (M or P):

16. M Hot oatmeal in the morning
17. P the salt in a shaker
18. P a diamond on a ring
19. M Ms. Crownhart's tea
20. P Helium Gas
21. M Ranch Dressing
22. M Monster Drinks
23. P Distilled Water
24. M Chocolate Chip Cookie
25. P Elmer's Glue
26. P Oxygen in a divers tank
27. P Graphite in your pencil
28. M The air in the classroom
29. M A loaded baked potato
30. M the water in the fish tank
31. P a piece of obsidian
32. M chocolate pudding
33. P Nickel
34. M Gasoline
35. P Magnesium Metal