

A QUIZ

MULTIPLE CHOICE; ANSWER THESE QUESTIONS CORRECTLY.

- Properties of matter which depend on interaction with other substances are known as ____ properties
a. physical b. natural c. chemical d. none of these
- Which of the following is heterogenous?
a. solution b. an element c. dirt d. a compound

Classify the following as physical (a) or chemical (b) changes.

- | | | |
|--------------------|--------------------|-------------------|
| 3. crumpling paper | 4. cooking an egg | 5. melting butter |
| 6. rusting | 7. dissolving salt | |

Classify the following as physical (a) or chemical (b) properties.

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|---|-----------------|-----------------------|
| 8. Copper turns green after being in the atmosphere | 9. weighs 10 kg | |
| 10. absorbs water | 11. density | 12. reacts with water |

Are the following ... ?

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|------------------------|--------------------------|-------------|--------------|
| a. homogenous mixtures | b. heterogenous mixtures | c. elements | d. compounds |
|------------------------|--------------------------|-------------|--------------|

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|---|----------------------|-------------------------------|
| 13. fresh squeezed orange juice with pulp | 14. salt(NaCl) | 15. iron sulfide |
| 16. sulfur | 17. a cup of hot tea | 18. cold iced tea with no ice |

19. A compound differs from a mixture in that the compound:

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|--|--------------------------|---|
| a. has two or more identities | b. has only one identity | c. is composed of only one kind of atom |
| d. can be separated by physical means. | | |

20. A substance that can be separated only by chemical change is a/an:

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|------------|-------------|------------|-------------|
| a. element | b. compound | c. mixture | d. solution |
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21. A substance that cannot be separated by any means is a/an

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| a. element | b. compound | c. mixture | d. solution |
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22. Two substances that combine and take on a new identity have formed a:

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|-------------|------------|------------|-------------|
| a. compound | b. mixture | c. element | d. solution |
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23. Two substances that combine in an uneven manner and keep their identity have formed a:

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|------------|-------------|------------|-------------|
| a. mixture | b. compound | c. element | d. solution |
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24. Two substances that combine in an even manner and keep their identity have formed a:

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| a. mixture | b. compound | c. element | d. solution |
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