

Name: _____



+27 points

Use your science textbook pages 504 – 508 to complete.

1. When a substance goes through a _____, the substance itself is **NOT** changed.
2. Give an example (with details) of a physical change: (2 points)

3. A _____ is a change in which one or more new substances are formed.
4. What is one way to tell if a new substance has been formed?

5. **True or False** A burning wick on a candle goes through a chemical change.
6. A _____ is something that describes an individual object or substance.
7. A _____ is something that describes the ability of a substance to react with other materials and form new substances.
8. What is released when sodium comes in contact with water? _____
9. Sodium combines with chlorine to form _____
10. Which element is more reactive – chlorine or neon? _____
11. Which element is more stable – chlorine or neon? _____
12. What is the opposite of reactivity? _____
13. _____ is the ability of a substance to resist going through a chemical change.
14. When a solution of cobalt salts is added to hydrochloric acid a chemical change has occurred. How do you know? Explain (2 points)

15. How many different chemical reactions are possible? _____
16. _____ means "putting together."
Give an example of a synthesis reaction: (2 points)

17. _____ means "breaking up."
Give an example of a decomposition reaction: (2 points)

18. Heat can _____ or _____ a chemical reaction.
19. **True or False** Spoiled milk is an example of a chemical reaction.
20. **True or False** Freezing food will slow down a chemical reaction.

