



# Properties and Changes of Matter

## Part A. Vocabulary Review

**Directions:** *Unscramble the letters to form the correct word for each definition.*

- \_\_\_\_\_ 1. *hacclime preptory*: allows a substance to change to a new substance
- \_\_\_\_\_ 2. *malceich hagcen*: original material is transformed into a new material
- \_\_\_\_\_ 3. *aeioocnnrstv fo sams*: total mass is the same before and after a physical or chemical change
- \_\_\_\_\_ 4. *chyplais gnache*: any alteration in size, shape, or form of matter
- \_\_\_\_\_ 5. *tendisy*: relates an object's mass to the amount of space it takes up
- \_\_\_\_\_ 6. *saphicly toppyrer*: most of these characteristics can be observed with the senses
- \_\_\_\_\_ 7. *liigbon trpoi*: temperature at which a liquid turns into a gas
- \_\_\_\_\_ 8. *vhaiebro*: how something acts
- \_\_\_\_\_ 9. *ulmove*: how much space an object takes up
- \_\_\_\_\_ 10. *mitlnei iotpr*: temperature at which a solid turns into a liquid
- \_\_\_\_\_ 11. *tsae*: solid, liquid or gas
- \_\_\_\_\_ 12. *aaaceenrpp*: properties you detect with your senses

## Part B. Concept Review

**Directions:** *Complete each sentence by filling in the blanks with the correct term or terms.*

1. Shape, color, and texture are examples of \_\_\_\_\_.
2. You can tell a(n) \_\_\_\_\_ has occurred when energy is taken in or given off.
3. The rusting of metal is an example of a(n) \_\_\_\_\_ change.
4. A change of \_\_\_\_\_ is an example of a physical change.
5. Milk and gasoline are examples of the \_\_\_\_\_ of matter.
6. Mass and volume depend on the \_\_\_\_\_ of matter.
7. \_\_\_\_\_ measures how much mass is in a given volume.
8. You can use a table to find the \_\_\_\_\_ point of most substances.
9. The fact that something is magnetic can be determined by watching its \_\_\_\_\_.

**Chapter Review (continued)**

10. A \_\_\_\_\_ can only be determined by changing a substance.
11. \_\_\_\_\_ is when a gas changes into a solid.
12. \_\_\_\_\_ can indicate physical or chemical changes depending on the cause of the change.
13. Energy is \_\_\_\_\_ in a chemical change.
14. Formation of a(n) \_\_\_\_\_ is an indication of chemical change.
15. The total \_\_\_\_\_ of the matter is the same before and after a physical or chemical change. This is the \_\_\_\_\_.

**Directions:** Classify the following changes by writing **physical** or **chemical** in the blank before each item.

- \_\_\_\_\_ 16. tearing paper
- \_\_\_\_\_ 17. wax melting
- \_\_\_\_\_ 18. wood burning
- \_\_\_\_\_ 19. peeling a potato
- \_\_\_\_\_ 20. iron rusting
- \_\_\_\_\_ 21. sanding wood
- \_\_\_\_\_ 22. milk souring
- \_\_\_\_\_ 23. silver tarnishing

**Directions:** Answer the following questions on the lines provided.

24. List some physical properties that are size dependent.

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