Using the word bank below, fill in the statements #1-6. Some of the words may be used more than once or not at all.

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Physical change</th>
<th>volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>mass</td>
<td>less dense</td>
</tr>
<tr>
<td>More dense</td>
<td>chemical change</td>
<td>matter</td>
</tr>
<tr>
<td>Chemical property</td>
<td>boiling</td>
<td>sublimation</td>
</tr>
</tbody>
</table>

1. The amount of space an object takes up is referred to as its ________________________________

2. The amount of matter an object contains is referred to as its ________________________________

3. Something that describes the ability of a substance to react and form a new substance is a ________________________________

4. A change that does NOT alter the properties of a substance is a ________________________________

5. ________________________________ is mass in relation to its volume.

6. A ________________________________ is a change where one or more new substances are formed.

7. A ________________________________ is something that describes a substance by itself and can be observed or measured without changing the identity of the substance.

8. Anything that has mass and takes up space is a type of ________________________________.

Multiple Choice and fill in the blank:

9. What are three types of physical properties that apply to ALL substances?
   a. ________________________________
   b. ________________________________
   c. ________________________________

10. What are three types of physical changes?
    a. ________________________________
    b. ________________________________
    c. ________________________________
11. What are two types of chemical properties?
   a. ________________________________
   b. ________________________________

11. How is density found?
   a. mass added to the volume
   b. mass divided by the volume
   c. mass subtracted from the volume
   d. mass multiplied by the volume

12. What is matter made of?
   a. atoms and molecules
   b. fire, water, and earth
   c. density
   d. oxygen, nitrogen, and iron

14. Which is not a physical property about your teacher Mrs. Genetti?
   a. she is silly
   b. she is kind of tall
   c. she has brown hair
   d. she has blue eyes

15. Baking brownies is an example of
   a. physical properties
   b. physical change
   c. chemical properties
   d. chemical change

**Please answer using complete sentences.**

16. What does adding heat do to a chemical reaction?

17. How can you tell if a new substance has been made in a chemical change?