Matter: What is it?

Using pages E6-E9, answer the following questions.

1. What is matter?

2. List 5 physical properties of matter.
   a. 
   b. 
   c. 
   d. 
   e. 

3. What is the difference between mass and weight?

4. Does all matter have a mass? What evidence in the text confirms your answer?

5. What is volume?

6. What are two ways to measure the volume of a solid? Explain in detail.

7. What is density?

8. What equation do we use to calculate the density of an object?
Using pages E14-E17, answer the following questions:

9. What are the 3 states of matter?

10. Write the definitions of the following words:

   Solid -

   Liquid -

   Gas -

11. In which state of matter are the particles closest together? Farthest apart?

12. What processes cause the following changes?

   Solid to a Liquid

   Liquid to a Gas (2) and

   Gas to a Liquid

   Liquid to a Solid

   Solid to a Gas

13. Each of the following are examples of matter. Describe the 3 things in as many ways as possible. Try to use some of the physical properties you listed on the front to explain them as well.

<table>
<thead>
<tr>
<th>A Watermelon</th>
<th>Milk</th>
<th>The Air We Breathe</th>
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<tbody>
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