



Name: _____

Changing Matter by Karen Larsen

Read along questions

1. Look around the room. List two examples of matter and write them down. Now list two properties that describe each example.

Matter 1 _____

Matter 2 _____

Properties _____

Properties _____

2. The two properties that all matter has are mass and space.

Mass is _____

Space is _____

3. Describe the motion of the molecules in each state.

Solids move _____

Liquids move _____

Gases move _____

4. Give two reasons why you think ketchup is a liquid.

• _____

• _____

5. You cannot walk through a solid because the molecules are packed so close together.

Can you walk through a liquid? Yes or No (circle one).

Give an example: _____

Can you walk through a gas? Yes or No (circle one).

Give an example: _____

6. List where each of the following may be found in your body.

Solid _____

Liquid _____

Gas _____

7. A physical change can be reversed. A chemical change is permanent.

Decide which type of change is happening in each statement. **Circle** your choice.

Ice melting -> Physical Change OR Chemical Change

Fireworks exploding -> Physical Change OR Chemical Change

Chocolate melting -> Physical Change OR Chemical Change

8. Heat energy added to matter can cause a physical change or a phase change. Name of the phase change when heat is added.

Ice to water _____

Water to water vapor _____

What is happening to the water molecules in each change? _____

9. What happens to molecules when heat is removed or cooled?

Give an example of where you have seen this happen. _____

10. How does the author use pictures and text boxes to support facts throughout the book?

11. The last page (pg.26) of the text states "Why Matter Matters." First, explain the two meanings of the word "matter" (homonyms). Then in your own words, summarize why matter, matters.

Meaning 1: _____

Meaning 2: _____

12. Something I would like to learn about states of matter is:
