



Name -----	Gr./ 5	Subject/ Science	Worksheet#2
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**Unit:13, Lesson:3****How Does Matter Change?****T.B. 597 - 610****Lesson Vocabulary**

- **physical change:** a change that do not affect the type of matter
- **chemical change:** a change in the identity of matter
- **chemical reaction:** a process in which new substances are formed during a chemical change
- **conservation of mass:** the total mass of the matter before and after the physical or chemical change is the same

**Q1. Put "True" or "False".**

1. A chemical reaction is the process in which new substances are formed during a chemical change. ( )
2. Water is less dense than ice. ( )
3. Increasing temperature decreases the rate of chemical change. ( )
4. Physical properties can be observed without changing the type of matter. ( )
5. To conserve means "to destroy". ( )
6. Most matter expands when the temperature goes down. ( )
7. Normal body temperature is about 37°C. ( )
8. Water expands when it freezes. ( )
9. Physical changes happen faster or slower at different temperature. ( )

**Q2. Fill in the blanks.**

1. .... fevers help the body fight disease.
2. .... temperature usually slows down the rate of chemical change.
3. A ..... is the process in which new substances are formed during a chemical change.
4. The gas in a balloon ..... when it is warmed.
5. When a strawberry rots, it undergoes ..... change.
6. The total mass of the before and after the change remains the same. This is called .....
7. Ice on a lake will melt faster if the air temperature is .....

**Q3. Identify the following as "physical or chemical changes".**

1. \_\_\_\_\_ water freezes
2. \_\_\_\_\_ iron rusts
3. \_\_\_\_\_ slicing a pie
4. \_\_\_\_\_ breaking a glass
5. \_\_\_\_\_ digesting banana
6. \_\_\_\_\_ rotting food

**P. Physical change**  
**C. Chemical change**

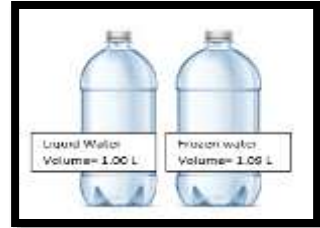
**Q4. What would make each of the following processes happen faster? Write "increase or decrease in temperature".**

<b><u>Ice cream melting</u></b>	<b><u>Boiling water</u></b>
<b><u>Water condensing on a cold can</u></b>	<b><u>Water freezing</u></b>
<b><u>keeping the food fresh</u></b>	<b><u>Baking cake</u></b>

**Q5. Give reason.**

1. Frozen water takes up more volume than liquid water.

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2. Burning the wood is a chemical change.

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**Q6. Define.**

a. Conservation of mass

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