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part2 changes chemical and Physical about Worksheet الملف

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Experiment #3: Physical and Chemical Change in Materials



NAME: _____
SECTION: _____

DATE: _____
REMARKS: _____

I. Intended Learning Outcomes

Students should be able to:

- Investigate the different changes of materials from the observed objects;
- Exhibit critical-thinking and contribute ideas about how materials can undergo physical and chemical change; and,
- Reflect on the importance of recognizing changes of matter that may affect the environment.

II. Materials:

A. What You Need

ice cube cloth
2 saucers

What to do?

- Bring out your saucer and ice.
- Place an equal size of ice cube or tube on each of the saucers. Label these as saucer 1 and saucer 2.
- Place the saucer 1 in a space which has sunlight, and saucer 2 under a shade. Observe both of the saucers.

What have you found out?

- Which saucer had its ice melt first? Is it saucer 1 or saucer 2? Why? (3 points)

- What kind of change occurred on both of the ice? (2 points)

B. What you need?

baking soda tray cup
vinegar spoon

What to do?

- Fill a quarter of the cup with vinegar that you have then place it on the tray.
- Next, get a spoonful of the baking soda and put it in the cup. Observe what happens.
- Record your observations and clean the set up.

What have you found out?

- What happened when you mixed the baking soda with the vinegar in the cup?

2. What kind of change do you think occurred from the experiment? Explain.

Reflect!

In what ways do the changes in matter affect the environment?