

ELECTRONIK

STUDENT WORKSHEET

CLASSIFICATION OF MATTER AND ITS CHANGES

7th Grade 1st semester



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SCIENCE EDUCATION

Group :
Chairman :
Member's Name : 1.
2.
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CLASSIFICATION OF MATTER



INTRODUCTION

Students are directed to check and access the E-worksheet available in the Google classroom, then students carry out activities in the E-worksheet.



PURPOSE OF ACTIVITY

Through observing objects in class or at home as well as video classification of substances and videos of elements, compounds, and mixtures, students are expected to be able to:

1. Group objects according to their shape correctly.
2. Find the characteristics of solids, liquids, and gases.
3. Differentiate elements, compounds, and mixtures



ROOT PROBLEM

1. What are the shapes of objects in your classroom or at home?
2. What are the characteristics? Can these objects change shape?
3. What are these objects made of? Element, Compound, or Mixture?



INGREDIENTS

1. Objects in class or at home
2. Substance Change Video
3. Video of Elements, Compounds and Mixtures



PROCEDURE

1. Observe objects in your classroom or in your home. Then write 10 - 15 objects with different shapes into column 1.
2. Group the objects that you find into table 1 based on their shape.
3. After you complete step 2, watch the video on the Change of Substance in the video below:

Substance Change Video

4. Write an example of a change in the state of matter based on the video you watched in table 2.
5. After filling in table 2, continue by observing the Video Elements, Compounds, and Mixtures in the video below:

Video of Elements, Compounds and Mixtures

6. Group the objects that you wrote in column 1 into table 3 which include elements, compounds, and mixtures.



OBSERVATION DATA

1. Column 1. Objects in class

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2. Table 1. Groups of Objects Based on Shape

SOLID	LIQUID	GAS

3. Table 2. Examples of Changes in Form

CHANGES OF MATTER	EXAMPLE

4. Table 3. Groups of Elements, Compounds, and Mixtures

ELEMENTS	COMPOUNDS	MIXTURES



DISCUSSION QUESTION

1. Do the objects you find have the same or different characteristics?
2. Can the objects you find change form? If so, what changes? If not, why? Tell!
3. Can the objects you find be grouped into elements, compounds, or mixtures?
4. How do you analyze the differences between the objects you find?



ANSWER QUESTION

Blank area for writing the answer to the discussion question.



CONCLUSION

After making observations and answering questions, then make related conclusions:

- 1.Characteristics of solid, liquid, and gaseous states.
- 2.Examples of objects in the form of solids, liquids, and gases in everyday life.
- 3.Characteristics of elements, compounds, and mixtures.
- 4.Examples of objects including elements, compounds, and mixtures.



REFLECTION

A large, empty rectangular box for reflection.