For ASD students With

Kurikulum Merdeka

UNNES

WORKSHEET

SEPARATION OF MIXTURES

for VIII Class/ Even Semester

Group : _____

Name : _____

_____

_____

_____

_____



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LIVEWORKSHEETS

Learning outcomes

Science understanding

At the end of phase D, students are able to classify living things and objects based on observed characteristics, identify the properties and characteristics of substances, distinguish physical and chemical changes, and separate simple mixtures.

Process skills

- Observing
- Questioning and predicting
- Planning and conducting investigations
- Processing, analyzing data and information Presenting data
- Evaluating and reflecting
- Communicating results

Learning Objectivs

Students through experimental activities are able to understand the types of mixture separation and practice simple mixture separation.

Approach

Scientific & Guided Inquiry Lab

Instructions for using the worksheet

- Pray before starting to work on the Worksheet
- Prepare the tools and materials needed to work on the Worksheet
- Read carefully and thoroughly every guide in the Worksheet
- Complete the tasks in the Worksheet properly, correctly, and responsibly
- Use learning resources from various sources, including learning modules, stud books, the internet, and other sources to answer questions.
- Collect the Worksheet according to the specified time.
- Ask the teacher if you have difficulty working on the Worksheet



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STEP 1 : STIMULATION



Ground Water



Sugar Water



Oil Water

Based on the image presented, is the liquid a type of mixture? Explain.

.....

.....

If it is a mixture, can the mixture be separated?

.....

.....

.....



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STEP 2 : PROBLEM IDENTIFICATION

Based on these problems, make problem formulations about separating mixtures!

Example :

1. Is the mixture of ground water, sugar water and oil water a mixture that can be separated or not using simple filtration?
2. .....

.....

.....

From the problem formulation, make the purpose of experiment!

Example :

1. Students can separate mixtures using a simple filtration method.

.....

.....

.....

.....

From the problem formulation, make a hypothesis!

Example :

1. Groundwater, sugar water, and oil water are mixtures that can be separated using simple filtration.

.....

.....

.....



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STEP 3 : DATA COLLECTION



Let's prepare the tools and materials!



Ground Water



Sugar Water



Oil Water



plastic glass (3 pcs)



Tissue

EXPERIMENTAL STEP

Please watch the video to see the experimental steps.



https://www.youtube.com/watch?v=TRUJC7aFl60





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STEP 3 : DATA COLLECTION

Experimental results

	 Ground water	 Oil Water	 Sugar Water
Experiment al resul			

STEP 4 : DATA ANALYSIS

Which mixtures can be separated? (Circle the emoticons below according to the results of the experiment.)









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STEP 4 : DATA ANALYSIS

Which is a type of heterogeneous mixture and its origin is a homogeneous mixture? Explain



Groundwater is a .....mixture
Reason.....



Oil water is a .....mixture
Reason.....



Sugar water is a .....mixture
Reason.....

STEP 5 : VERIFICATION

Based on the experiment, can the hypothesis you made be proven? Explain



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RESULTS

What is the conclusion of the mixture separation experiment?



How do you feel about today's learning?

give me feedback please!







Circle the emoticon that suits your feelings!



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