



STUDENT NAME

CLASS DATE

SCIENCE 5
Term II Revision

Students answer on the Question Paper.

Additional Materials: Pen
Pencil

READ THESE INSTRUCTIONS FIRST

The number of marks is given in brackets [] at the end of each question or part question.

You should show all your working on the test paper and write your final answers on the space provided.

The total number of marks for this paper is 30.

Avoid erasures.

Contents:

Unit 3.1 Reversible and irreversible changes

Unit 3.2 Mixing and Separating Solids

Unit 3.3 Soluble and insoluble substances

Unit 3.4 Separating Insoluble Substances

Unit 3.5 Solutions

Unit 3.6 How can we make solids dissolve faster?

Unit 3.7 How does grain size affect dissolving?

Unit 4.1 Mass and weight

For Teacher's Use	
Page	Mark
1	
2	
3	
Total	



Question 1

Classify the following changes as **REVERSIBLE** or **IRREVERSIBLE**.

Chocolate Melting	Bread Toasting	Candle Wick Burning	Wax Melting
Sugar Dissolving	Wood Burning	Biscuits Baking	Water Boiling
Puddle Evaporating	Water Condensing	Butter Melting	Cutting Paper
Wood Chopping	Mixing Milk and Vinegar	Ice Melting	Rusting

Question 2

Sort the following substances as **SOLUBLE** or **INSOLUBLE**.

Milk powder	Flour	Chalk	Alcohol
Pasta	Saw Dust	Sugar	Salt
	Oil	Black Peppercorns	

SOLUBLE	INSOLUBLE

Question 3

Read these statements about Mass and Weight. Write each of the statement as True or False .

1. Mass and weight are the same[1]
2. We measure mass in newtons[1]
3. We measure weight in newtons[1]
4. Weight is the amount of matter in an object[1]
5. Your weight is different on the Moon[1]
6. Mas and weight are different.[1]
7. We measure mass in kilograms.[1]
8. We measure weight in kilograms.[1]
9. Mass is the amount of matter in a object.[1]
10. Your weight will be the same on the Moon and other planets.[1]

Question 4

Complete the following statements by filling the missing words. Choose your answer from the options in the box.

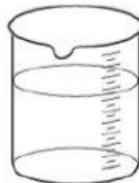
insoluble soluble solution suspension
 sugar water dissolved

sugar



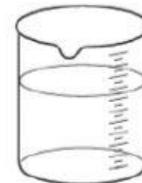
added to
+

water



makes

sugar water



When sugar is added to water, it gets _____ because sugar is _____.

Sugar and water makes a _____ where sugar is the _____

and water is the _____. Sand is an _____ substance, so when

added to water, they do not make a _____, instead, they make a _____.

Question 5

Identify the best method to separate the following mixtures.

Picking and Sorting	Sieving	Filtering	Evaporation
Magnetism	Winnowing	Decanting	

1. salt + water	-	8. flour + rice	-
2. mixed vegetables	-	9. rice + husk	-
3. sand + water	-	10. oil + water	-
4. iron filings + sand	-	11. sugar + water	-
5. petrol + water	-	12. wheat + chaff	-
6. paper clips + staples	-	13. colored papers	-
7. flour + beans	-	14. flour + water	-

Question 6

You can work out an object's weight using the following equation:

How much would you weigh on other planets?

$$\text{Weight (N)} = \text{mass (kg)} \times \text{gravitational pull (N/kg)}$$

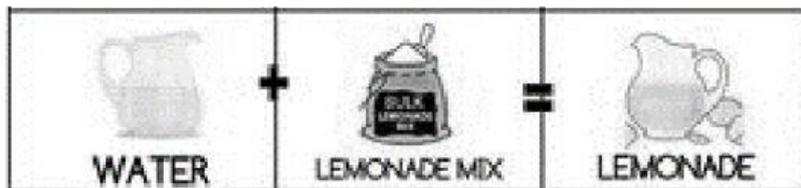
Your mass is 41 kg.

Place	Gravitational pull (N/kg)	My weight (N)
Mercury	3.7	
Venus	8.9	
Earth	10	
Jupiter	26.9	
Neptune	12.2	
The Moon	1.6	
Uranus	10.7	
Mars	3.8	

1. What happens to your mass as you move from one planet to another?
..... [1]
2. On which **planet** did you weigh the most?
..... [5]
3. On which **planet** did you weigh the least?
..... [5]
4. Where did you weigh the least?
..... [5]
5. On which planet was your weight most similar to your weight on Earth?
..... [5]
6. What happens to your weight when the gravitational pull gets bigger?
..... [1]
7. What happens to your weight when the gravitational pull gets smaller?
..... [1]

Question 7

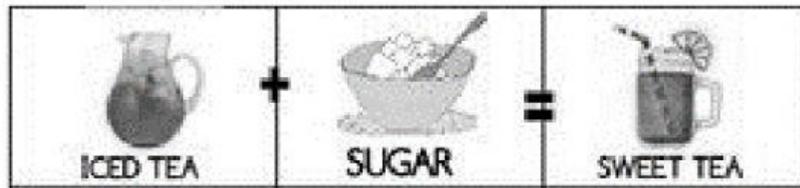
Identify which substances are the **SOLUTE**, **SOLVENT** and **SOLUTION**.



Solute: _____

Solvent: _____

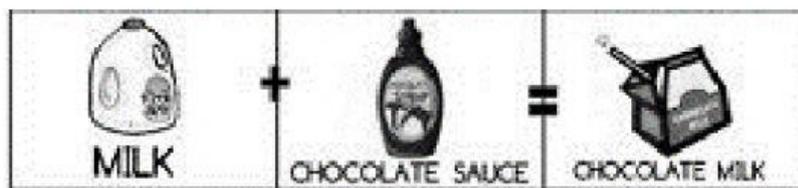
Solution: _____



Solute: _____

Solvent: _____

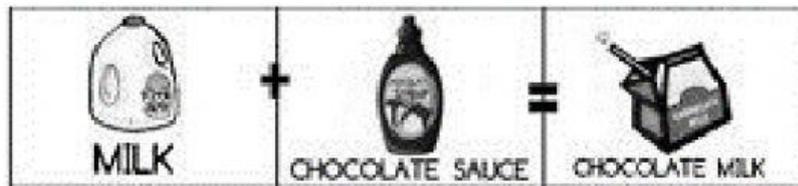
Solution: _____



Solute: _____

Solvent: _____

Solution: _____



Solute: _____

Solvent: _____

Solution: _____

Question 8

Answer the questions through 1-2 sentences.

A.



Mrs. Panther poured a cup off tea from the teapot and added two teaspoons of sugar. The tea was not very hot so she drank it quickly. As she drank the last few drops, she noticed there was still sugar in the bottom of the cup.

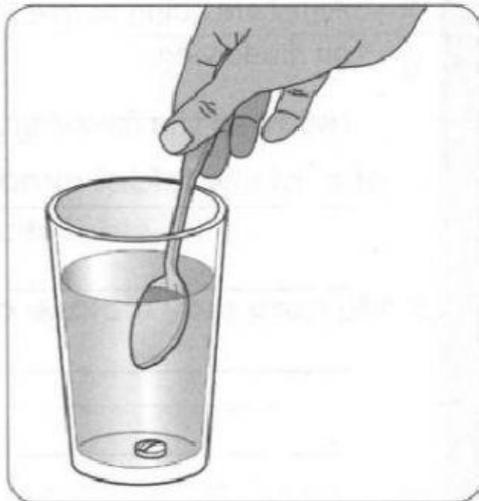
1. Why was there still sugar at the bottom of the cup?

.....
..... [2]

2. What were the two (2) things could Mrs. Panther have done to make all the sugar dissolve?

.....
..... [1]

B.



Gina takes a vitamin tablet every morning just before she leaves for school. The tablet dissolves in water. Sometimes, she nearly misses her bus because she has to wait for the tablet to dissolve.

Gina wonders wants to find a way to make the tablet dissolve faster in water. She tried cutting the tablet and measure the time it takes for each piece to dissolve.

Size of the Tablet	Time for tablet to dissolve (seconds)
whole	90
half	45
quarter	25

1. Which size of the tablet dissolved the fastest? Why?

.....
..... [2]

2. Which size of the tablet dissolved the slowest? Why?

.....
..... [2]

3. What can Gina conclude based on the results of her test?

.....
..... [2]