Materials & Their Properties (Latihan Review/PTS)

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1. The table shows some materials and their properties. Complete the table.

Material and Object	Properties of Material		
	Is it hard?	Is it strong?	Is it transparent?
Glass window		No	
Wooden door	Yes		

2. The table shows the properties of some materials.

Material	**Properties**				
	Is it strong?	**Does it transparent?**	**Does it absorbent?**	**Does it dissolve in water?**	**Does it flexible?**
A	yes	no	yes	no	yes
B	no	no	yes	no	yes
C	yes	no	no	no	no
D	no	yes	no	no	no

(a) Which material is strong and flexible?

A B C D

(b) Based the properties above, which material is metal?

A B C D

(c) Which material is suitable for making clothes?

A B C D

Give the reason why?

Because it is transparent and not flexible
Because it is flexible and not strong
Because it is strong and flexible

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(d) Rasya sorts the materials into two groups. Group 1 contains materials A and C. Group 2 contains materials B and D. Which property did Rasya use to sort the materials?

strong	flexible	transparent	absorbent

3. Magnets are made from magnetic materials. Which materials can be used to make a magnet? Tick (√) the two correct boxes.

steel ☐ **copper** ☐

iron ☐ **aluminium** ☐

4. Alumunium is a material used to make saucepan.

Tick (√) one correct properties of alumunium which suitable to make saucepan.

- attracted to a magnet ☐
- it is strong and not flexible ☐
- it is easy to burn (flammable) ☐

5. Blessy is investigating how water can be absorbed by different paper towels. She uses four different types of paper towel. Each towel is the same size. She measures how much water is absorbed by each paper towel. Here are her results.

Type of paper towel	Mass of water absorbed in ml
A	5
B	15
C	13

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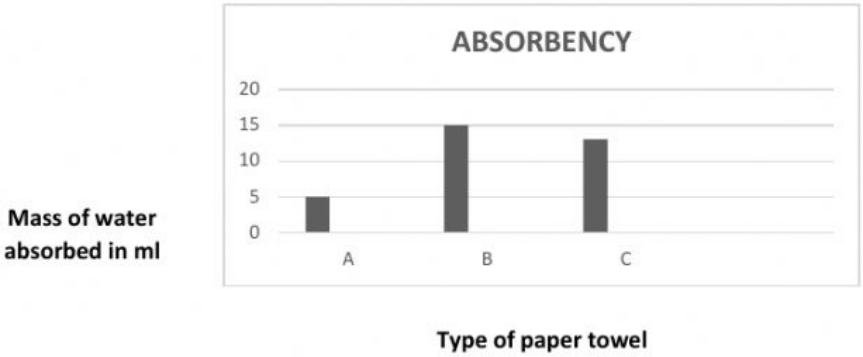
Here is the chart.



a. Arrange which paper towels from absorbent to the least absorbent.

A **B** **C**

_____, _____,_____

Most absorbent least absorbent

6. Choose the correct properties match with the description given. Use the words in the box.

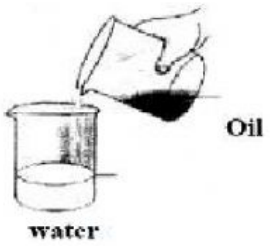
transparent	opaque	translucent

a. Only some light can pass. _____

b. All of the light can pass. _____

c. All the light is blocked. _____

7. Look at this picture below. Ahmad stir the mixture of soil and water. Predict what will happen after he stir it.



It will dissolve into water
It cannot dissolve into water
It will sink under the water

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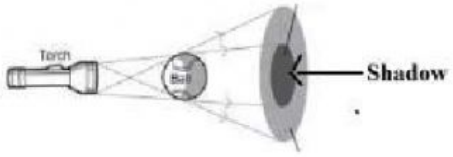
8. Look at this experiment below.

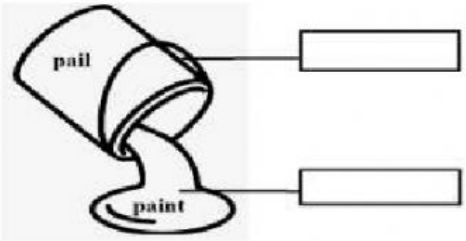


Rosyi changes the distance between the ball and the torch. She measures the size of the shadow.

Predict what will happen to the shadow of the ball if she make the distance between the torch and the ball smaller (the ball closer to the torch).

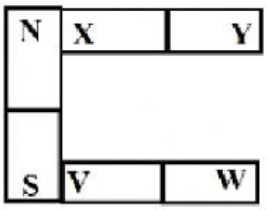
The shadow will increase (become bigger)
The shadow will decrease (become smaller)
The shadow will stay the same

9. Look at the picture below and choose the correct state of materials its belong to. Use the words in the box.



liquid	**gas**	**solid**

10. Look at this picture below and write the correct answer of the poles.



N = North Pole	**X = ….**
S = South Pole	**Y =…..**
V = ……	**W = …..**

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