KPSI: MATTER AND MACHINES

Write "YES" or "NO" in every box to evaluate your knowledge.

	I don't know	I know a little	I could explain it
Can you define the term "matter"?			
Can you describe the properties of matter?			
Can you define the types of matter?			
Can you describe the states of matter?			
Can you explain the changes in matter?			
Can you describe the types of energy?			
Can you distinguish simple machines and complex machines?			
Can you classify machines depending on the power source ?			
Can you explain how some simple machines work?			
Can you understand how machines make our daily life easier?			

DAY 1: PROPERTIES OF MATTER

1. Watch the video "Mass - the amount of matter" and answer the following questions.

1.1.	What is mass?					
	Mass is that an object or body has.					
1.2.	What does professor Bill Tyson say about mass?					
	The more mass an object has, difficult it will be to					
	move.					
1.3.	Which object has more mass : the pencil or the workbench?					
	The has more mass than the					
1.4.	How do we measure mass ?					
	We measure mass in and					

2. Observe these two objects and answer the question.



Steel ball



Wool ball



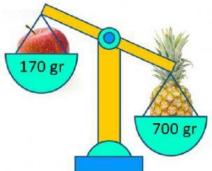
Balloon

Which object	has	the	greatest	mass
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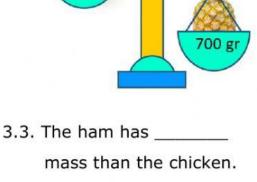
The _____ has greatest mass because it is the _____.

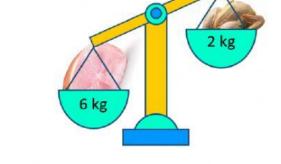
3. Complete the sentences about mass according to the images.

3.1. An apple has _____ mass than a pineapple.

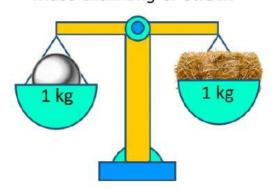


mass than the chicken.

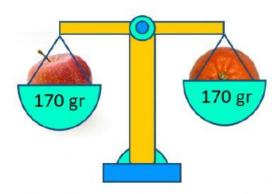




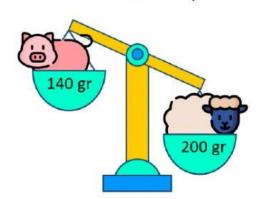
3.5. 1kg of steel has _____ mass than 1kg of straw.



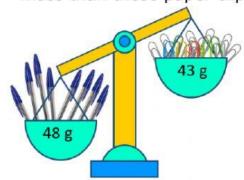
3.2. The apple has _____ mass than the orange.



3.4. This pig has _____ mass than this sheep.



3.6. These pens have _____ mass than these paper clips.

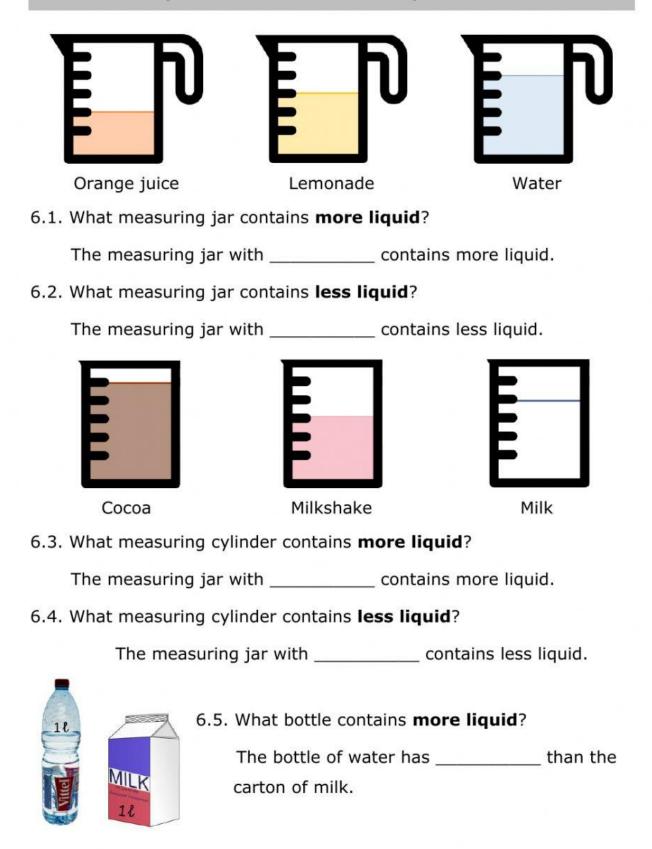


55	Vatch the video "Notes of	leasuring liquid volur s.	ne" and answer the			
4.1.	What is volume ? Volume is the					
4.2.	How do we measu We measure volum	re volume? e in				
4.3.	The bottle of wa The bottle of mi The bottle of jui	ns more volume ? Tick ter has more volume thank lk has more volume than ce has more volume thank s have the same volume	nan the others. In the others. In the others.			
4.4.	. What volume does the bottle of milk contain? The bottle of milk contains					
5. 0	Steel ball	objects and answer to the work of the work	the question. Balloon			

The _____ has greatest volume because it is the _____.

Which object has the greatest volume?

6. Look at the pictures and answers the questions about volume.



7.	Complete	the sentences	about the	properties of	f matter.
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matter	space	grams	litres	scales	properties	cylinders
Matter i	s everyth	ning in the	universe	e. All mat	ter has two _	<u> </u>
Mass is	the amou	ınt of	.11 25	there is	in an object.	We
measure	mass in		or ki	lograms ι	ising	·
Volume	is the		_ that an	object o	ccupies. We r	neasure
volume in using instruments like measuring jugs and					jugs and	
measurir	ng	·				