UNIT 7

Tema: Sains Fizikal

Ketumpatan
Density

SK 7.1 *Objek atau bahan yang lebih tumpat atau kurang tumpat daripada air*

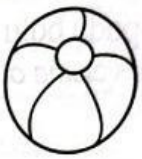
A **Padankan dengan jawapan yang betul.** 7.1.1 TP 1 BT ms. 96 – 97
Match with the correct answers.

1
Jaket keselamatan
Safety jacket

2

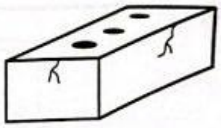
Duit syiling
Coin

3
Guli
Marble

4 
Bola
Ball

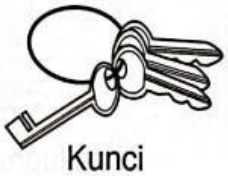
Objek yang timbul
Object that floats

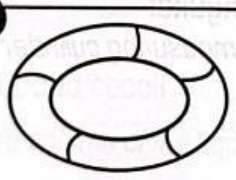
5
Ranting
Twig

6 
Batu bata
Brick

7
Kelapa
Coconut

Objek yang tenggelam
Object that sinks

8 
Kunci
Keys

9 
Pelampung
Float

10
Gogal
Goggles

LIVEWORKSHEETS

B **Kumpulkan bahan-bahan berikut dalam kumpulan yang betul.**
Group the following materials into the correct groups.

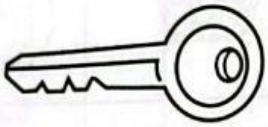
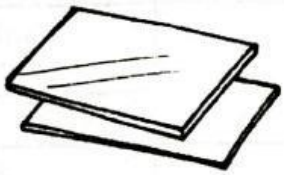
Sauh *Anchor*	Batu *Rock*	Botol kaca *Glass bottle*	Lilin *Candle*	Daun *Leaf*
Botol plastik *Plastic bottle*	Besen plastik *Plastic basin*	Papan *Plank*	Tayar *Tyre*	Bulu pelepah *Feather*

Bahan timbul *Materials that float*	Bahan tenggelam *Materials that sink*
1	6
2	7
3	8
4	9
5	10

LIVEWORKSHEETS

C **Beri sebab bagi setiap yang berikut. Lengkapkan ayat di bawah.**
Give a reason for each of the following. Complete the sentences below.

KBAT 7.1.2 TP 2 BT

Bahan *Material*	Sebab *Reason*
1 Gabus *Cork*	Gabus timbul di permukaan air kerana gabus _____ tumpat daripada air. *The cork floats on the surface of water because it is* _____ *dense than water.*
2  Kunci besi *Iron key*	Kunci besi tenggelam di dalam air kerana besi _____ tumpat daripada air. *The iron key sinks in water because it is* _____ *dense than water.*
3  Kepingan kaca *Glass sheet*	Kaca tenggelam di dalam air kerana kaca _____ tumpat daripada air. *The glass sheet sinks in water because it is* _____ *dense than water.*
4 Botol plastik *Plastic bottle*	Botol plastik timbul di permukaan air kerana plastik _____ tumpat daripada air. *The plastic bottle floats on the surface of water because it is* _____ *dense than water.*

LIVEWORKSHEETS

D **Bahan yang manakah lebih tumpat dan yang manakah kurang tumpat daripada air? Padankan.** KBAT 7.1.2 TP 3 BT ms. 99 – 100

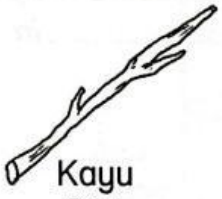
Which material is more dense than water and which material is less dense than water? Match.

1

Kertas
Paper

2

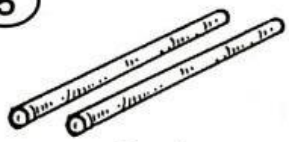
Plastisin
Plasticine

3

Kayu
Stick

Lebih tumpat daripada air
More dense than water

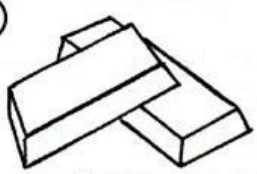
4

Batu
Stone

5

Besi
Iron

6

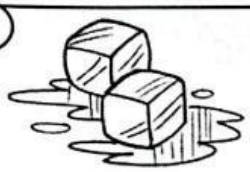
Plastik
Plastic

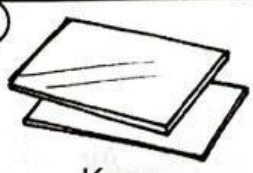
7

Emas
Gold

Kurang tumpat daripada air
Less dense than water

8

Minyak masak
Cooking oil

9

Ais
Ice

10

Kaca
Glass

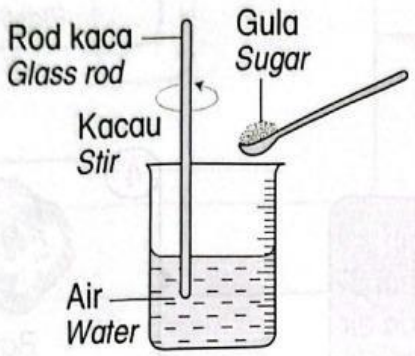
LIVEWORKSHEETS

E Apakah cara untuk menjadikan air lebih tumpat? Lengkapkan ayat di bawah. KBAT 7.1.3 TP4 BT ms. 100

What are the methods to make water more dense? Complete the sentences below.

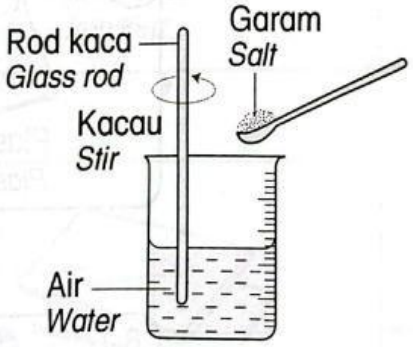
Kaedah *Method*	Kesimpulan *Conclusion*

1



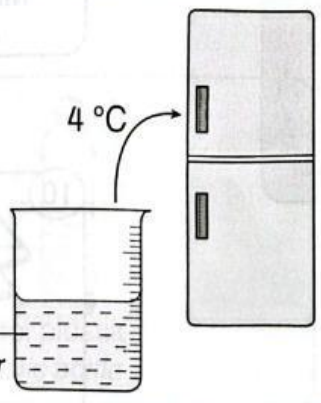
Melarutkan _____
di dalam air.
Dissolve _____ *in the water.*

2



Melarutkan _____
di dalam air.
Dissolve _____ *in the water.*

3



_____
air kepada 4 °C.
_____
of water to 4 °C.

LIVEWORKSHEETS

F Ramalkan pemerhatian bagi aktiviti di bawah. Lukis ramalan kamu dalam ruang pemerhatian. KBAT 7.1.3 TP6 BT ms 101

Predict the observations for the activities below. Draw your prediction in the column under observation.

Kaedah *Method*	Pemerhatian *Observation*
1 Masukkan sebiji oren ke dalam balang kaca berisi air *Place an orange in a glass jar containing water* 	
2 Masukkan sebiji oren yang telah dikupas kulitnya ke dalam balang kaca berisi air *Place a peeled orange in a glass jar containing water* 	
3 Masukkan minyak masak, madu dan alkohol ke dalam silinder penyukat berisi air dan biarkan selama beberapa minit *Add cooking oil, honey and alcohol into a measuring cylinder containing water and leave it for a few minutes* 	

LIVEWORKSHEETS