

**5.2 Larutan dan Kadar Keterlarutan / Solution and Rate of Solubility**

**5.3 Pembersihan dan Pembekalan Air / Water Purification and Water Supply**

- 8 (a) Rajah 4 menunjukkan dua jenis campuran. (BT ms. 106 - 117)  
Diagram 4 shows two types of mixtures.



Rajah 4 / Diagram 4

- (i) Nyatakan jenis campuran K dan L. (TP2)  
State the type of mixture for K and L.

K : \_\_\_\_\_

L : \_\_\_\_\_

[2 markah/marks]

- (ii) Campuran L kelihatan lebih keruh. Jelaskan. (TP3)  
The L mixture looks cloudier. Explain.

\_\_\_\_\_

[1 markah/mark]

- (iii) Beri dua ciri campuran K. (TP4) (KBAT) Menganalisis  
Give two characteristics of mixture K.

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

[2 markah/marks]

Intermediate between a solution and a suspension,  
neither form a clear mixture nor precipitate

Transparent

Does not leave any residue when filtered

small size of solute

- (b) Izzul Fahmi bersama beberapa orang rakannya sedang mendaki gunung. Mereka singgah berehat di kaki gunung dan di tepi sebatang sungai.  
Izzul Fahmi and some of his friends were climbing a mountain. They stopped to rest at the foot of the mountain and by a river.

- (i) Adakah air sungai tersebut selamat untuk diminum oleh mereka? Jelaskan. (TP5) (KBAT) Menilai  
Is the river water safe for them to drink? Explain.

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\_\_\_\_\_

[2 markah/marks]

- (ii) Cadangkan satu kaedah pembersihan air yang perlu dilakukan oleh mereka untuk mendapatkan air yang bersih dan selamat untuk diminum. (TP3)  
Suggest a water purification method that they need to perform to get clean and safe water to drink.

\_\_\_\_\_

[1 markah/mark]

- (iii) Jika mereka menggunakan kaedah penyulingan, adakah air sungai tersebut sesuai untuk diminum? Jelaskan. (TP5) (KBAT) Menilai  
If they use the distillation method, is the river water suitable for drinking? Explain.

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\_\_\_\_\_

[2 markah/marks]

