2 The table below shows the result of an experiment conducted by a group of students to determine the strength of acid and alkali on the filter paper.
Jadual di bawah menunjukkan keputusan bagi suatu ekperimen yang dijalankan oleh sekumpulan murid bagi menentukan kekuatan asid dan alkali pada kertas turas.

Type of solution *Jenis larutan*	**Effect on the filter paper** *Kesan pada kertas turas*
Concentrated acid *Asid pekat*	Corrosive *Mengkakis*
Concentrated alkali *Alkali pekat*	.....
Diluted acid *Asid cair*	Does not corrosive *Tidak mengkakis*
Diluted alkali *Alkali cair*	Does not corrosive *Tidak mengkakis*

(a) Complete the table above.
Lengkapkan jadual di atas.

[1 *mark*/1 *markah*]

(b) Based on the table above, state the manipulated variables.
Berdasarkan jadual di atas, nyatakan pemboleh ubah dimanipulasikan.

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[1 *mark*/1 *markah*]

(c) Based on this experiment, state **one** type of protective equipment that should be used when running this experiment.
Berdasarkan eksperimen ini, nyatakan ***satu*** *jenis alat pelindung diri yang perlu digunakan semasa menjalankan eksperimen ini.*

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[1 *mark*/1 *markah*]

(d) After the experiment, Ali wants to throw all the solutions into the laboratory sink. In your opinion, can Ali do that? Explain your answer.
Selepas eksperimen dijalankan, Ali ingin membuang kesemua larutan ke dalam sinki makmal. Pada pendapatan anda, bolehkah Ali berbuat demikian? Terangkan jawapan anda.

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[2 *marks*/2 *markah*]

LIVEWORKSHEETS