

## BAB 6 ASID DAN ALKALI

Aktiviti 3 : Nilai pH dan kekuatan asid dan alkali

Activity 3 : *pH value and strength of acid and alkali*

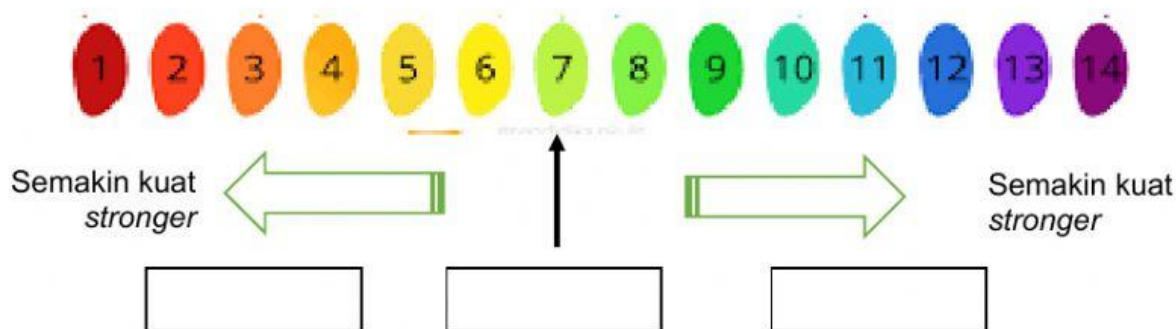
1. Kenal pasti jenis larutan berikut. (*drag and drop*)  
*Identify the types of solutions.*

|                                 |                                |                                     |                                    |                                            |
|---------------------------------|--------------------------------|-------------------------------------|------------------------------------|--------------------------------------------|
| Asid kuat<br><i>Strong acid</i> | Asid lemah<br><i>Weak acid</i> | Alkali kuat<br><i>Strong alkali</i> | Alkali lemah<br><i>Weak alkali</i> | Larutan nuetral<br><i>Neutral solution</i> |
|---------------------------------|--------------------------------|-------------------------------------|------------------------------------|--------------------------------------------|

|                                            |                                              |                                                                |                                      |                                            |                                                     |
|--------------------------------------------|----------------------------------------------|----------------------------------------------------------------|--------------------------------------|--------------------------------------------|-----------------------------------------------------|
| Larutan<br><i>Solutions</i>                | Asid hidroklorik<br><i>Hydrochloric acid</i> | Larutan natrium hidroksida<br><i>Sodium hydroxide solution</i> | Asid etanoik<br><i>Ethanoic acid</i> | Larutan ammonia<br><i>Ammonia solution</i> | Larutan garam biasa<br><i>Common salts solution</i> |
| Nilai pH<br><i>pH values</i>               | 1                                            | 14                                                             | 4                                    | 10                                         | 7                                                   |
| Jenis larutan<br><i>Types of solutions</i> |                                              |                                                                |                                      |                                            |                                                     |

2. Isi di dalam petak dengan perkataan 'asid', 'alkali' atau 'neutral' berdasarkan skala pH.

*Fill in the boxes with the words 'acid', 'alkali' and 'neutral' on the pH scale.*



3. Nyatakan hubungan nilai pH dengan kekuatan asid dan alkali. (*choose the right answer*)

*State the relationship between pH value and the strength of acid and alkali.*

- (a) Semakin \_\_\_\_\_ nilai pH, semakin kuat sifat keasidannya.  
*The \_\_\_\_\_ the pH value, the stronger the acidic property.*
- (b) Semakin \_\_\_\_\_ nilai pH, semakin kuat sifat kealkaliannya.  
*The \_\_\_\_\_ the pH value, the stronger the alkaline property.*

