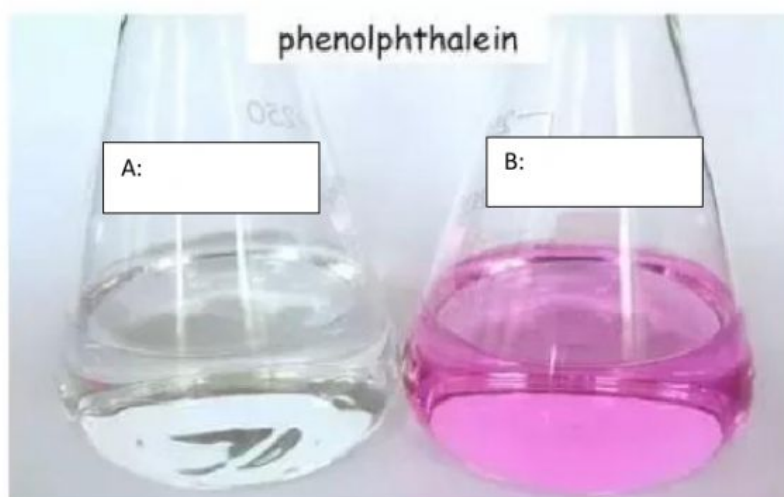


**Part I:**

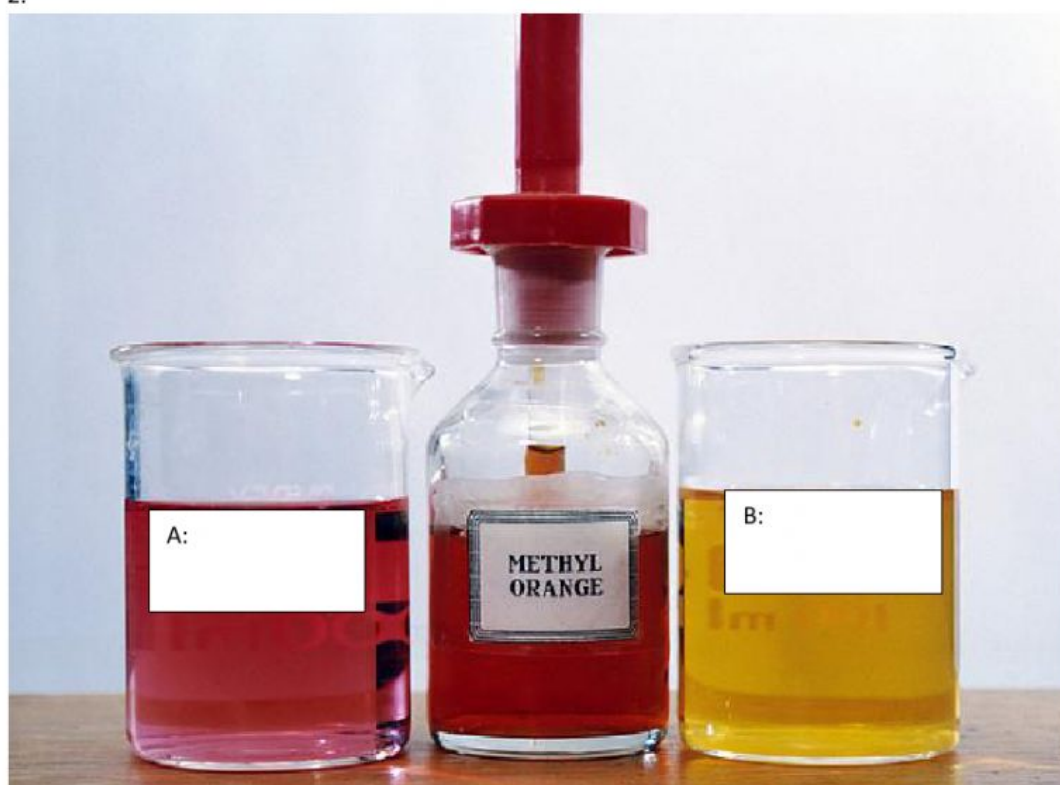
Ah boy used various indicators (phenolphthalein, litmus paper, methyl orange and universal indicator) to determine whether the following unknown substances are acid or alkali.

Help him out by filling the blanks to state whether the unknown substances is **ACID** or **ALKALI** when tested with various indicators.

1.



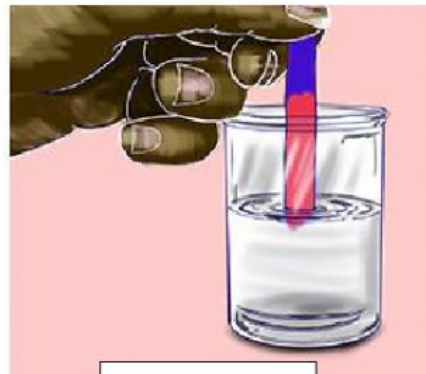
2.



3.



4.



**Part II:**

Help ah boy to classify the following substances into the correct categories.

Stomach acid pH = 1	Coffee pH = 5	Battery pH = 0	Bleach pH = 13
Baking soda pH = 9	Tomato juice pH = 4	Milk pH = 6	Blood pH = 8
Drain cleaner pH = 14	Gastric medicine pH = 10	Potassium hydroxide pH = 14	Lemon pH = 2

Strong acid	Weak acid	Strong alkali	Weak alkali