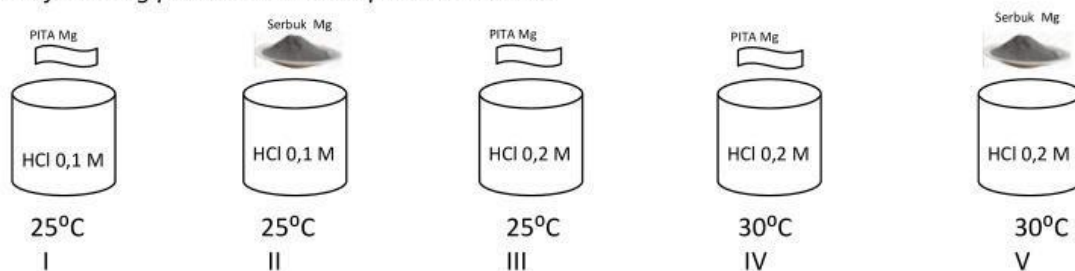


D. Quiz

The following picture to answer questions no 1-3



- Experiment IV and V, the factor affecting of rate is...
 - Pressure
 - Catalyst
 - Temperature
 - Concentration
 - Surface area
- Experiment III and IV, the factor affecting of rate is...
 - Surface area
 - Concentration
 - Temperature
 - Catalyst
 - Pressure
- Experiment I and III, the factor affecting of rate is...
 - Surface area
 - Concentration
 - Temperature
 - Catalyst
 - Pressure
- The following table show the data of experiment between Calcium carbonate and Hydrochloric acid

Experiment no	CaCO ₃	HCl solution	Temperature (°C)	Time (second)
I	2 g powder	1 M	25	16
II	2 g powder	2 M	25	8
III	2 g granule	1 M	25	42
IV	2 g granule	2 M	25	22
V	2 g granule	2 M	35	18

The experiments that showed affecting of surface area are...

- I and II
 - II and III
 - IV and V
 - I and III
 - II and V
- The following reactions is expected to take place the fastest is...
 - 2 g chip of CaCO₃ with HCl 0,1 M on temperature 25°C
 - 2 g chip CaCO₃ with HCl 0,2 M on temperature 25°C
 - 2 g powder CaCO₃ with HCl 0,1 M on temperature 25°C
 - 2 g powder CaCO₃ with HCl 0,2 M on temperature 25°C
 - 2 g powder CaCO₃ with HCl 0,2 M on temperature 30°C
 - Stomach medicine tablets must be chewed first, this is one of the factors that affect the rate of reaction, namely
 - Surface area
 - concentration
 - temperature
 - catalyst
 - pressure