

TUJUAN  
AIM

Untuk mengkaji ciri-ciri kalsium karbonat.  
*To investigate the properties of calcium carbonate.*

RADAS  
APPARATUS

Tabung uji, tabung didih, pemegang tabung uji, penunu Bunsen, tiub penghantar, gabus, spatula  
*Test tube, boiling tube, test tube holder, Bunsen burner, delivery tube, cork, spatula*

BAHAN  
MATERIAL

Batu kapur, asid hidroklorik, air suling, air kapur  
*Limestone, hydrochloric acid, distilled water, lime water*

| Langkah-langkah<br><i>Steps</i>                                                                                                                                                                                                                                                                                                                                                           | Susunan radas<br><i>Arrangement of apparatus</i>                                                                                                                              | Pemerhatian<br><i>Observation</i> | Penerangan dan persamaan<br>tindak balas kimia<br><i>Explanation and equation of<br/>chemical reaction</i> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------|
| <p><b>Kesan haba / Effect of heat</b></p> <p>1 Satu spatula kalsium karbonat dimasukkan ke dalam tabung didih.<br/><i>One spatula calcium carbonate is placed in a boiling tube.</i></p> <p>2 Radas disusun seperti dalam rajah. / The apparatus is arranged as in the diagram.</p> <p>3 Kalsium karbonat dipanaskan dengan kuat.<br/><i>Calcium carbonate is heated up strongly.</i></p> | <p>Kalsium karbonat<br/><i>Calcium carbonate</i></p>  <p>Air kapur<br/><i>Lime water</i></p> |                                   | <p>• _____<br/>dihasilkan</p>                                                                              |

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| <p><b>Tindak balas dengan asid hidroklorik cair / Reaction with dilute hydrochloric acid</b></p> <ol style="list-style-type: none"> <li>1 Satu spatula kalsium karbonat dimasukkan ke dalam tabung uji. / One spatula calcium carbonate is placed into a test tube.</li> <li>2 5 ml asid hidroklorik cair dimasukkan ke dalam tabung uji. / 5 ml of dilute hydrochloric acid is filled into the test tube.</li> <li>3 Dengan serta merta, alat radas disusun seperti dalam rajah. Immediately, the apparatus is arranged as in the diagram.</li> </ol> |  | <ul style="list-style-type: none"> <li>• _____ dihasilkan</li> <li>• Kalsium karbonat + Asid hidroklorik →<br/>_____ + _____ + _____</li> </ul> |
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#### KESIMPULAN CONCLUSION

Ciri-ciri kalsium karbonat termasuk: / The properties of calcium carbonate include:

- (i) \_\_\_\_\_ di dalam air.
- (ii) Bertindak balas dengan \_\_\_\_\_ dan membebaskan karbon dioksida.
- (iii) \_\_\_\_\_ dengan haba dan membebaskan karbon dioksida.