



# ASSIST

AUSTRALIAN SCHOOL SCIENCE  
INFORMATION SUPPORT FOR  
TEACHERS AND TECHNICIANS

Published on ASSIST (<https://assist.asta.edu.au>)

[Home](#) > Don't Blow Out the Candles

---

## Don't Blow Out the Candles

Posted by [Anonymous](#) on Tue, 2014-04-08 15:27

This video demonstrates the production and uses of CO<sub>2</sub>.

This Surfing Scientist video (3 minutes 40 seconds) examines the chemical reaction between bicarb soda (sodium bicarbonate) and vinegar (acetic acid), producing invisible carbon dioxide that can be used to blow out candles on a birthday cake. A great way to create new interest in a well-known reaction.

This video also challenges the misconception that all gases are dangerous, or that they all rise up in the air.

Australian Curriculum v9 Codes: AC9S5U04 (Year 5), AC9S6U04 (Year 6), AC9S8U06 (Year 8), AC9S8U07 (Year 8)

### **Tags:**

[irreversible change](#)

[reversible change](#)

[gas](#)

[carbon dioxide](#)

[reaction](#)

### **External Link:**

[Don't blow out the candles](#)

### **Source Category:**

[Government](#)

[Don't Blow Out the Candles](#)



No votes yet

## Chemical reactions

---

**Source URL:** <https://assist.asta.edu.au/resource/566/dont-blow-out-candles?page=5>