



## Birthday chemistry

Every day, scientists do investigations and make observations to answer questions in chemistry. These scientists are called chemists. Chemists work out why materials have certain properties. They find out how materials change in chemical reactions. They create new materials, with perfect properties for particular purposes.

### What to do

- Go to this website: <http://www.rsc.org/learn-chemistry/collections/chemistry-calendar>
- Click on your birthday.
- Fill in the form to show others in your new class why your birthday is important in chemistry.

### Hints

- Fill in the form in your own words.
- If there is a word you don't understand, ask someone for help, or look it up in a dictionary or on the Internet.
- You can draw a picture or find one on the Internet, print it out, and stick it on the form.

## Why is my birthday important in chemistry?

Name: \_\_\_\_\_

My birthday is on: \_\_\_\_\_

The name of my chemist is: \_\_\_\_\_

My chemist is from this country: \_\_\_\_\_

This is what my chemist did: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Here is a picture of my chemist, or of something my chemist discovered.



## Materials matter

Chemists make materials that are suitable for their purpose. In this activity, you will work out why objects are made from certain materials.

### What to do

- Find five objects at home that are made from different materials.
- Fill in the table to show why the objects are made from their materials. The first line is already filled in.

Object	Material the object is made from	Properties of the material that make it suitable for the object
frying pan	metal	<ul style="list-style-type: none"> <li>• good conductor of heat</li> <li>• rigid</li> </ul>

## Sugar or salt?

In this activity you will plan and do an investigation to answer this question: **Can you dissolve more sugar, or more salt, in a glass of water?**

### My plan

- Complete the table.

Variable	Will I change it or measure it or keep it the same?
substance (sugar or salt)	
amount that dissolves	
volume of water	
temperature of water	

- Write down what you will do.

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### My results

Substance	
Sugar	
Salt	

### What I found out

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