

Sparx Science – Student Guide

Weekly homework designed to help you learn, grow and achieve success in science


Based on the topics covered in class

Questions at the right level for you

Support when you get stuck

Q1 Q2 Q3 Q4 Results

1.



How many electrons do alkali metals have in their outer shell?

I don't know Submit >

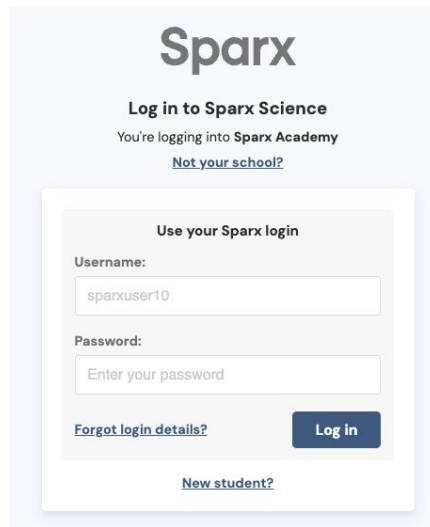
The image shows a digital interface for a science question. At the top, there are navigation tabs labeled 'Q1', 'Q2', 'Q3', 'Q4', and 'Results'. Below the tabs, the question number '1.' is displayed. Three Bohr models of atoms are shown in a row, each with a central blue nucleus and concentric black shells. The first model has 2 shells with 2 electrons in the outer shell. The second model has 4 shells with 1 electron in the outer shell. The third model has 6 shells with 1 electron in the outer shell. Below the models, the question text asks 'How many electrons do alkali metals have in their outer shell?'. A text input field with a red border contains the placeholder text 'Enter a numeric answer..'. At the bottom right, there are two buttons: 'I don't know' and 'Submit >'.

Login

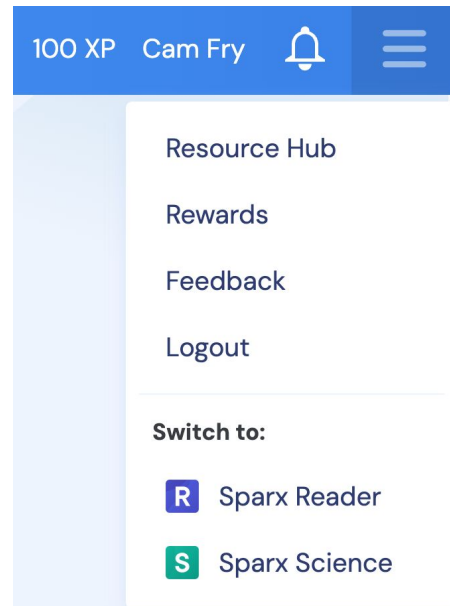
Go to sparxscience.com and click Log in

Or

Click the top-right menu in Sparx Maths and
switch to Sparx Science



The screenshot shows the Sparx login interface. At the top, the Sparx logo is displayed. Below it, the text reads "Log in to Sparx Science" and "You're logging into Sparx Academy". A link for "Not your school?" is provided. The main login form is titled "Use your Sparx login" and contains two input fields: "Username:" with the value "sparxuser10" and "Password:" with the placeholder "Enter your password". There is a "Forgot login details?" link and a "Log in" button. At the bottom of the form, there is a link for "New student?".



The screenshot shows a user menu in Sparx Maths. The top bar is blue and contains "100 XP", "Cam Fry", a bell icon, and a hamburger menu icon. The menu is open, showing options: "Resource Hub", "Rewards", "Feedback", and "Logout". Below these, there is a "Switch to:" section with two options: "R Sparx Reader" and "S Sparx Science".

Completing homework

When you get a question wrong, we'll give you some information to help you learn

Q1 Q2 Q3 Q4 Results

1.

Where does the energy for photosynthesis come from?


The air The Sun Water Oxygen

Glucose Carbon dioxide ✖

✖ Incorrect Let's learn this

Let's learn it...

The energy for **photosynthesis** comes from **sunlight**



I've got it >

Completing homework

You then need to answer a follow-up question to check you understand

Check your learning

In photosynthesis, sunlight is a source of...

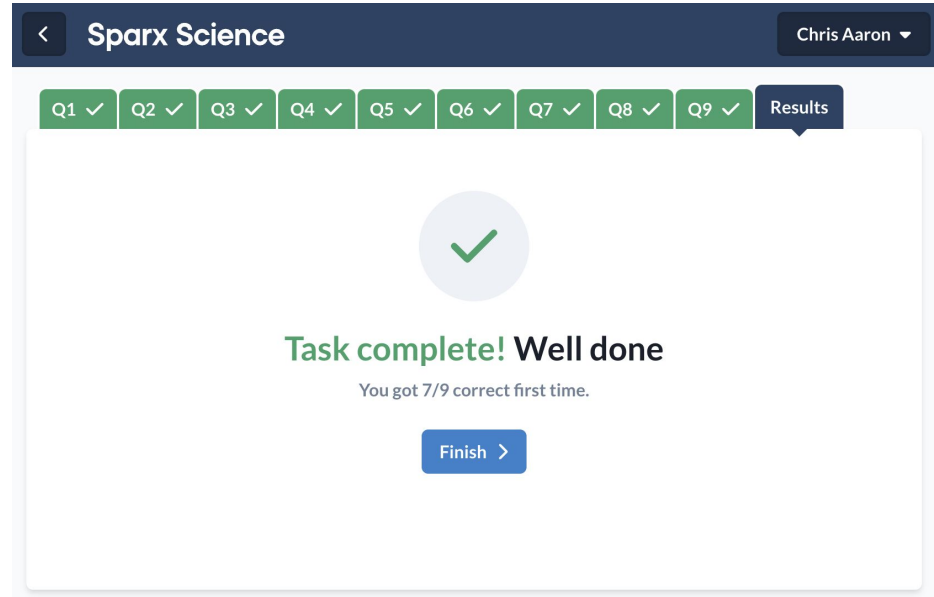
...energy.

...air.

...carbon dioxide.

Completing homework

You need to answer each question correctly to complete your homework



The screenshot shows the Sparx Science interface. At the top, there is a dark blue header with a back arrow, the text "Sparx Science", and a user profile "Chris Aaron" with a dropdown arrow. Below the header is a row of nine green buttons labeled "Q1 ✓", "Q2 ✓", "Q3 ✓", "Q4 ✓", "Q5 ✓", "Q6 ✓", "Q7 ✓", "Q8 ✓", and "Q9 ✓". To the right of these buttons is a dark blue button labeled "Results". The main content area is white and features a large green checkmark inside a light blue circle. Below the checkmark, the text reads "Task complete! Well done" in green, followed by "You got 7/9 correct first time." in a smaller font. At the bottom center, there is a blue button labeled "Finish >".