

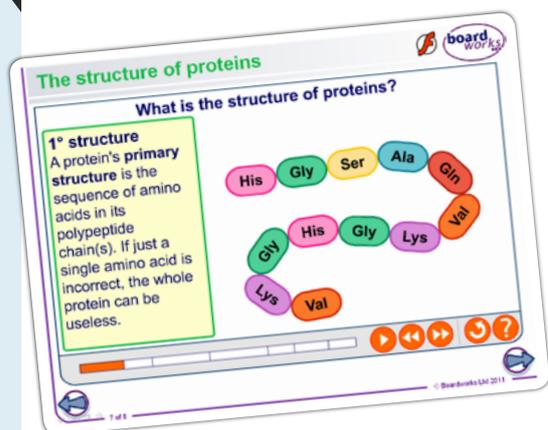
A short guide to using Boardworks Resources

Proteins is a bite-sized presentation tailor-made for teaching the structure and function of proteins on your interactive whiteboard or classroom projector. This presentation includes interactive Flash activities to help your students to understand the structure of different amino acids, how peptide bonds form to produce dipeptides and the different levels of structure within proteins. There are also several testing activities to assess the level of the students' knowledge, and to summarize what they have learned.

You can view the presentation as a slide show by selecting the 'View' menu and selecting 'Slide Show,' or by clicking the Slide Show icon at the bottom left-hand corner of your screen. The interactive Flash activities will only work in Slide Show mode.

In order to view our free interactive content you will need Microsoft PowerPoint (2000, XP/2002, 2003, 2007 or 2010) and Adobe Flash Player (10.0.32 or later) installed on your computer. Visit www.adobe.com to download the latest version of Flash Player now.

What do the icons mean?



This seven-stage animation shows the different levels of protein structure. Clear text and labels explain each step of the animation, helping students to grasp the details involved. You can work through this at your own pace, using the play, pause, fast-forward and rewind buttons.

The open book icon in the top right-hand corner of some slides indicates that these slides have accompanying teacher's notes with further teaching suggestions, or more information about the subject covered. The Flash icon indicates where interactive Flash activities are available.



How do I use the activities?

Test your students' understanding of different levels of protein structure using this interactive activity. Drag the images of primary, secondary, tertiary and quaternary structures of proteins into the correct order. Press the orange check button in the bottom right-hand corner to see if you have the correct answer.

If you wish to reveal the answers instantly, you can press the orange 'solve' button in the bottom right-hand corner. Pressing the 'reset' button will reload the activity. The 'help' button will give you all the information you need to use the activity.

Why not go on to teach how proteins are synthesized within the cell using further material from the Proteins unit if you purchase High School Biology?

