Graphics and design

Name: [   ]

Complete the following wikis about graphics by typing in words from the box in the spaces (1–13). Then choose the correct forms of the words (a–m) by choosing from the drop-down menus.

resolution	CAD	raster	3-D	wireframes	texturing	toolbox
vector	compositing	rendering	computer animation	solid modelling	filters	

Computer graphics

There are two types of computer graphic: (1) [   ] graphics, where each pixel is separately defined, and (2) [   ] graphics, where mathematical formulae are used to draw lines and shapes. (a) [   ] this second type of graphic results in sharper graphics with no loss of (3) [   ] when the object is scaled up.

During the late 1970s, personal computers became more powerful, capable of (b) [   ] more complex shapes and designs. In the 1980s, artists and graphic designers started (c) [   ] personal computers as a serious and (d) [   ] new design tool. (4) [   ] (Computer Aided Design) allowed designers to make (5) [   ] to show the edges of an object, and then add colour and filters to (e) [   ] it look more realistic, a process known as (6) [   ]. They could even add light and shadow, known as (7) [   ].

Three-dimensional, or (8) [   ], computer graphics became possible in the late 1980s with the invention of powerful SGI computers, which were later used to create some of the first (9) [   ] films at the Pixar movie studio. 3-D graphics became more popular in the 1990s, in gaming, multimedia and animation. Computer graphics continue to (f) [   ] even more detailed, due to more advanced computers and better (10) [   ] software applications – the tool which allows designers to make graphics appear in 3-D.

Web graphics

In the 1990s, internet speeds increased, and web browsers that could view images were released. Websites began to use the GIF format to display small graphics, such as banners and adverts. Nowadays, web browsers can (g) [   ] a much wider variety of image formats. Plugins can expand the web browser functions to display animated, interactive and 3-D graphics, contained within file formats such as SWF and X3D.

Most modern web graphics are made with either Adobe Photoshop or Corel Paint Shop Pro. Windows users have access to MS Paint, but many people think the program has insufficient features, with only a very basic (11) [   ] of (h) [   ] and (i) [   ] tools.

Numerous online communities and websites have been created for web graphics artists, but easy-to-use software – especially photo-editing software – means that it's not only professionals who are (j) [   ] graphics online. More and more people now create internet forum signatures and other types of digital art, for example (k) [   ] (12) [   ] to photos to change their appearance, or (13) [   ], which involves (l) [   ] several different images to (m) [   ] one image.

🎧 Now listen to the words from the box and practise saying them.