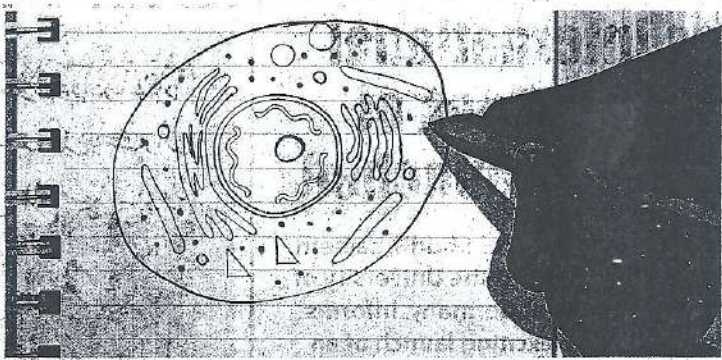


Some students, unfortunately, have biology diagram fear; they learn their work but their phobia stops them from doing what they have to do correctly at the time of reproducing it in the exams. Here is why the correct way of learning diagrams can help considerably...



drawing the lines used for labeling purposes and it's more advisable to keep those lines parallel to one another. The lettering used for labeling should be kept in horizontal alignment. Try to avoid vertical lettering unless you are specifically instructed or constrained to do so. And it is very important to keep your lettering neat and intelligible such that the teacher can understand it fast.

12) For easier comprehensibility it's more advisable to use block letters for lettering purposes.

TIPS FOR STUDENTS: HOW TO REMEMBER BIOLOGY DIAGRAMMS WITH EASE

By Minoo Jokhi

Renowned American scientist Bethencourt Ryan has correctly said: "Our world is built on biology and once we begin to understand it, it then becomes technology!" Correctly said. In biology a very vital part is to remember diagrams.



School as well as college students of the science stream have often struggled to remember biology diagrams. Diagrams are a vital part of biology and play a significant role in theoretical as well as practical study of life. It is a symbolic representation of information and an important tool in understanding the theories through visual perception.

There are many students who usually skip these diagrams and concentrate more only on the theoretical part of the subject. This is not the right way of preparing for the exams. Diagrams hold equal importance as they help in strengthening the answers and provide a clear picture to the reader and also fetch the child better grades.

It is said: "When you explore your fears then you set yourself free." Some students, unfortunately, have biology diagram fear; they learn their work but the phobia stops them from doing what they have to do at the time of reproducing it. Also the correct way of learning diagrams can help considerably.

VITAL TIPS TO REMEMBER BIOLOGY DIAGRAMMS INCLUDE:

- 1) Practice the diagrams regularly if not daily at least 3-4 times a week and be familiar with them. Drawing and labeling helps in visualizing pictures.
- 2) Remember neatness

- 3) Do the drawings on unlined sheets to make it more authentic. This is quite important when you are drawing diagrams for your biology laboratory copy.
- 4) The biology diagram must be clearly visible; it helps to learn and understand better. Avoid crowding parts of the diagram as you will lose your marks. Also the diagram should be large enough to present all the intricate details.
- 5) Make a list of all the parts that have to be labeled. It is good to keep the diagram to the left hand

- 6) Avoid improvisation. You can't use your creative brain to draw biological diagrams on your answer sheet. Improvisation isn't acceptable in biological drawings so try to keep it as bay at all possible costs, especially when you are involved in drawing the diagram of a human brain or the digestive system. You should draw what you see and not what you want to see. Keep in mind that there is no room for creativity in biological drawings.
- 7) Always use proper pencil of good quality while drawing. Also keep the rubber, sharpener, ruler as you can need it anytime. Try to use a sharp pencil. The lines of the diagram should be clear and continuous. And keep in mind not to draw diagrams with a pen; it is wrong.

- 8) Remember the KISS rule—Keep It Simple, Stupid! Try to make your diagrams as simple as possible. Remember, sketching isn't what's acceptable in biological diagrams. So avoid doing that at all cost. Draw using clear cut lines.
- 9) Avoid tracing the image; while studying don't trace the image from your book as you will not be able to learn much and won't be able to score marks that way.
- 10) Have a positive attitude towards biology diagrams. Biology diagrams, some of them, can be complicated, but it is also very interesting and fun to learn. For those who enjoy this it can be an enriching experience.
- 11) Labeling should be done in a column at the right-hand side of your page. Try to maintain an alignment to the best of your ability. Also use a scale for

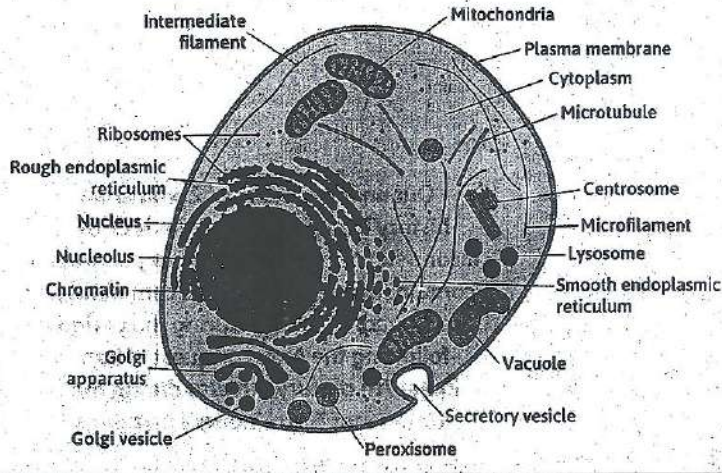
ADVANTAGES OF DIAGRAMMS

By studying biology diagrams students can visualize different patterns; structures and functions. Besides being important in understanding the related topics, these diagrams also hold major marks in the board exams. A neat and labeled diagram can fetch students good marks. Hence, the child must refer to more books, more tutorials, take help of education websites sites and YouTube videos to learn the diagram more easily in step by step manner.

Biology diagrams can help in various ways, e.g. the complete process of human digestion along with its parts can be easily practiced; you can learn about chromosomes, plant cells, animal cells, microbes, bacteria, the microscope etc.

Do keep in mind that diagrams are essential tools for biologists as they put forward, evaluate and revise their accounts of phenomena and mechanisms.

There are three types of diagrams—Expressions, Concept Definitions and Expression Relations. It is very important treat biology diagrams as fun. Stay stress-free, sleep tension-free. And face the problems and difficulties, which you might face at times, accepting that there is a problem rather than running away from it. It is rightly said "Difficulties are plenty; but only the winners overtake them." And do not procrastinate or delay learning the diagram as it causes lapses in memory. As we have all heard: "Kal kare so aaj kar, aaj kare so ab". And, lastly keep revising the diagram; it will be immensely beneficial in the long run.



—Minoo Jokhi is a Mathematician, Memory Development and Vedic Mathematics Trainer. He has a website: www.minoojokhi.in