

FIRST ZOOLOGY STUDY GUIDE

Solve VGL questions (incl. multiple choice items like:
“flies with this trait are always, sometimes or never homozygous”)

Relate structure (shape & size) and function in cells.

Origins of organelles within animal cells

Draw a cell in particular phases of mitosis.

Draw a cell in particular phases of meiosis.

What and when is crossing-over?

Distinguish between dominant and recessive.

Distinguish among co-transport, diffusion, endocytosis, exocytosis, facilitated diffusion, osmosis.

Distinguish between DNA and RNA as to structure.

Describe the roles of DNA and RNA during translation.

Describe the fluid mosaic model.

Which do you think came first, mitosis or meiosis? Why do you think so?