

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

AP Biology Fall Semester Review 2 ANSWERS

Prokaryotes	Eukaryotes
Genetically variable organisms, have cell membranes & cell walls, not firmly complex (no organelles except ribosomes), different species have different habitats, some live in extreme habitats, have DNA and RNA, usually 1 circular chromosome of DNA, compact up plasmids (lots of size)	Spherical and not spherical, different cells live in different habitats and conditions, have cell membranes and organelles, some plants, fungi, have cell walls, have DNA in usually linear chromosomes

2. What is the endosymbiotic theory? What evidence do scientists use to support this idea?
 At some point in the past, bacteria engulfed another bacteria and instead of digesting it, used it to make energy for itself. These organelles became thought to be the precursor to the chloroplast and mitochondria. The strongest evidence for this claim is that both organelles have DNA separate from the DNA in the nucleus of the cell.

3. In what types of cells would you find cilia? Flagella? In fact, what are cilia and flagella?
 Cilia are hair-like projections that allow a cell to "swim". Use a Paramecium for flag (push) materials around (like in the oviduct of the female reproductive tract or in the human respiratory tract).
 Flagella are tails that also allow cells to swim-sperm have flagella as do the Euglena (a protist cell).

Autotrophs	Heterotrophs
Use glucose to make ATP Found in autotrophic animal and plant cells	Can harness energy of light to generate ATP, ATP is used in the light independent reactions to make food glucose for the plant Found only in heterotrophic plant cells green (or some color...)

5. List at many similarities as you can between mitochondria and chloroplasts.
 -require concentrations of H⁺ ions for electron transport
 -have own DNA separate from the cell
 -thought to have originated by endosymbiotic hypothesis

[Download PDF version of :](#)
Biology Summer School Semester 1 Answers Gradpoint