## Biology 12: Chapter 3 - Review Worksheet Answer Key

## A. Cell Theory:

- 1. Cell theory = living things are composed of cells and new cells arise only from preexisting cells.
- 2. Resolving power of a microscope is the capacity to distinguish between 2 adjacent pts and is dependent on the wavelength of the illumination. Electron microscopes have greater resolving power b/c electrons have shorter wavelengths than visible light.

## **B. Eukaryotic and Prokaryotic Cells**

1. Eukaryotic cell = membrane-bound nucleus. and membranous organelles.

Natural Selection
in's greatest contribution was developing a scientific hypothesis to explain
volution occurs.
me up with several terms:
ss- the ability of an individual to survive and reproduce in its specific
onment.
ation- any inherited characteristic that increases an organism's chance of
ral.
al selection- survival of the fittest.

Evolution by

Darw
how to
how to