

# Conceptual Biology

## Chapter 3: The Cell

### *Eukaryotic Organelles*

1. Label the organelles in the animal cell with the following terms:

Cytoskeleton

Ribosomes

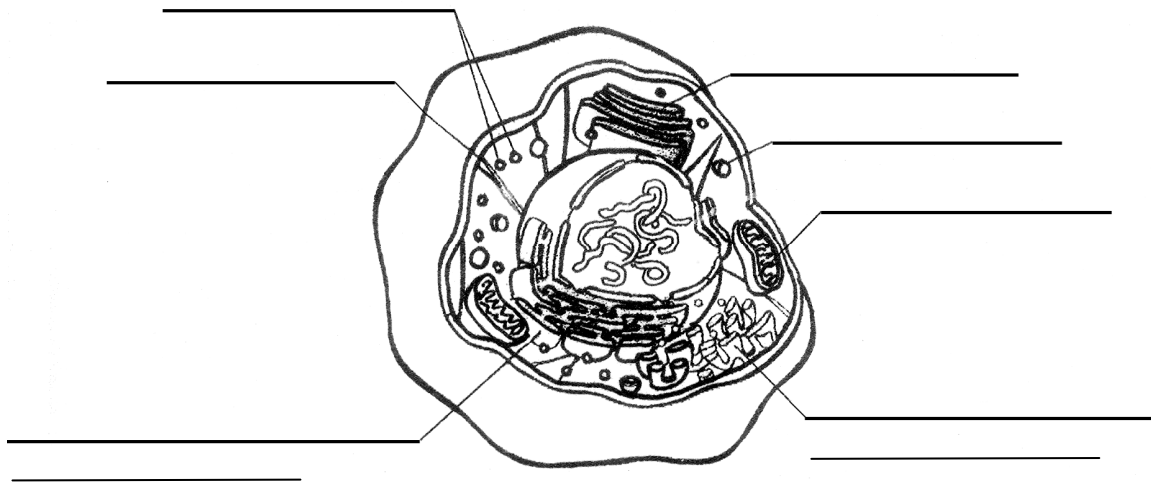
Golgi apparatus

Rough endoplasmic reticulum

Lysosome

Smooth endoplasmic reticulum

Mitochondrion



2. Match the organelles with their functions (a through h).

a. Contains ribosomes for building certain types of proteins

\_\_\_\_\_ Ribosome

b. Breaks down organic molecules to obtain energy

\_\_\_\_\_ Rough endoplasmic reticulum

c. In plant cells, captures energy from sunlight to build organic molecules

\_\_\_\_\_ Smooth endoplasmic reticulum

d. Receives products from the endoplasmic reticulum and packages them for transport

\_\_\_\_\_ Golgi apparatus

e. Helps cell hold its shape

\_\_\_\_\_ Lysosome

f. Builds membranes

\_\_\_\_\_ Mitochondrion

g. Builds proteins

\_\_\_\_\_ Chloroplast

h. Breaks down organic material

\_\_\_\_\_ Cytoskeleton