Cells

5 basic life functions of organisms(not what we need)

1.
2.
3.
4.
5.

Characteristics of all living things

1.
2.
3.
4.
5.

_____ called spaces in cork, **CELLS! (person)**

Cell Theory

1.
2.
3.

write the function for each organelle

Plant Cell

Cell Wall

Cell membrane

Cytoplasm

Nucleus

Ribosome

Endoplasmic Reticulum

Mitochondria

Vacuole

Chloroplast

Animal Cell

Cell membrane

Cytoplasm

Nucleus

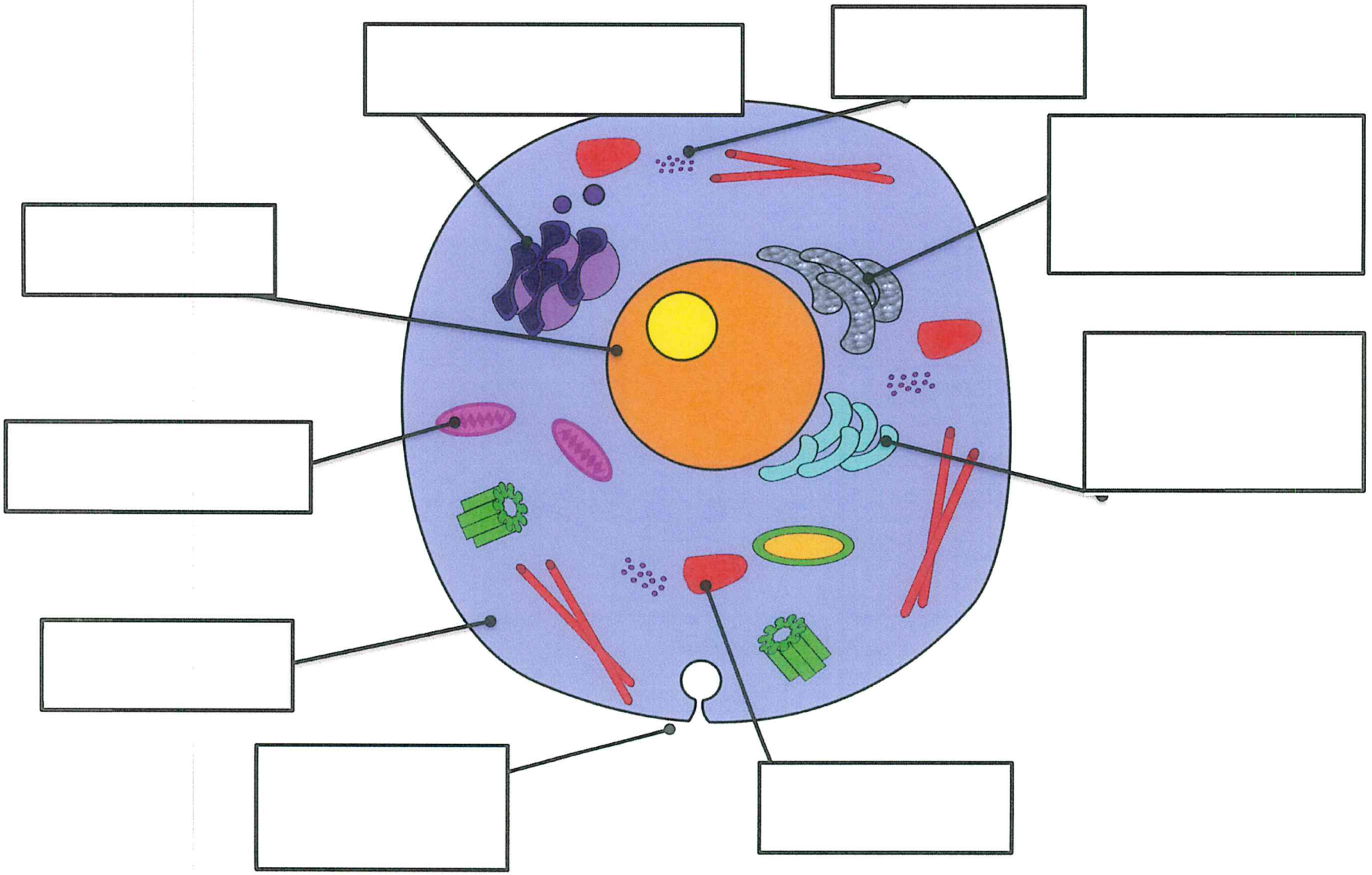
Ribosome

Endoplasmic Reticulum

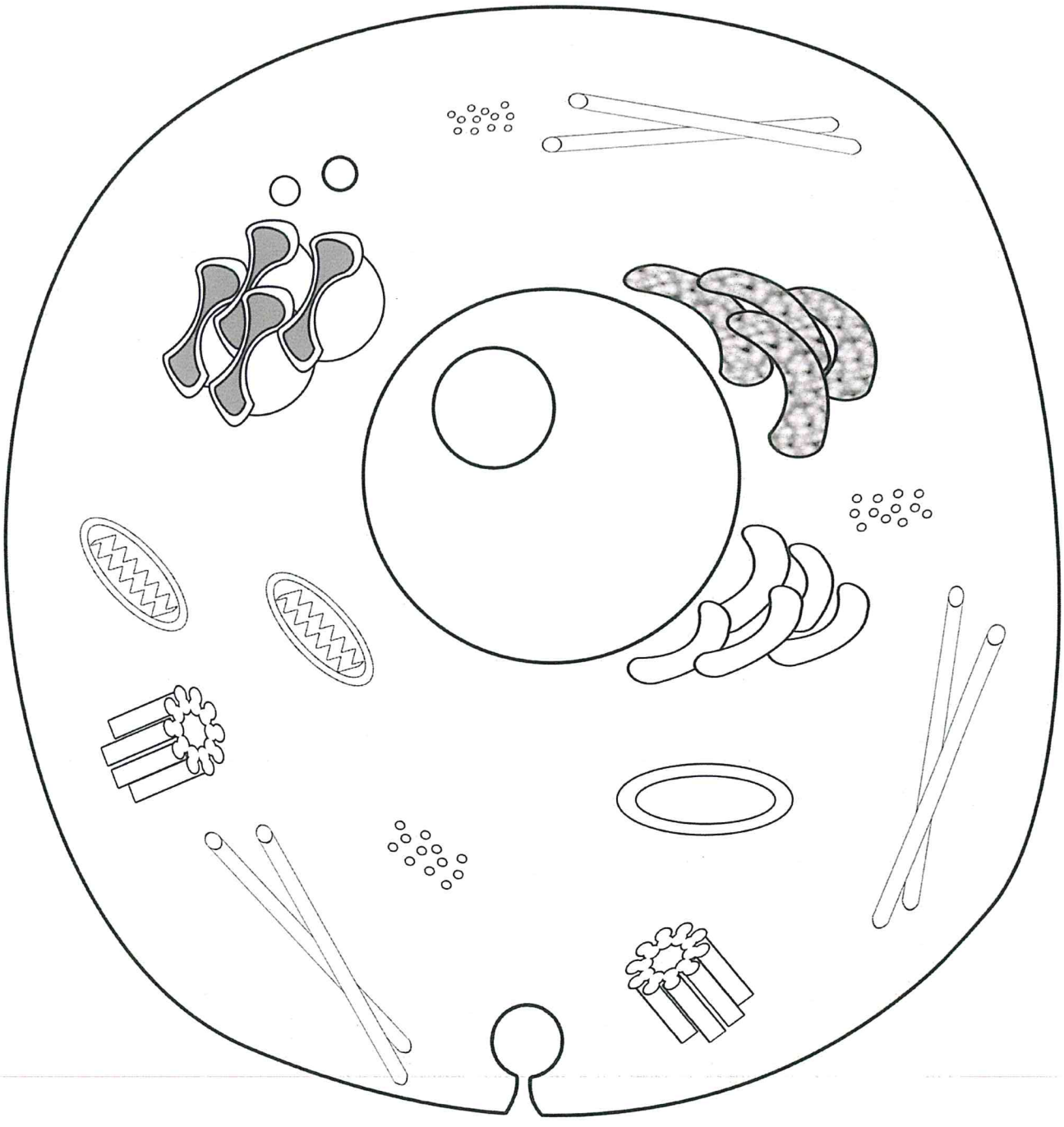
Mitochondria

Vacuole

Let's Learn About Animal Cells



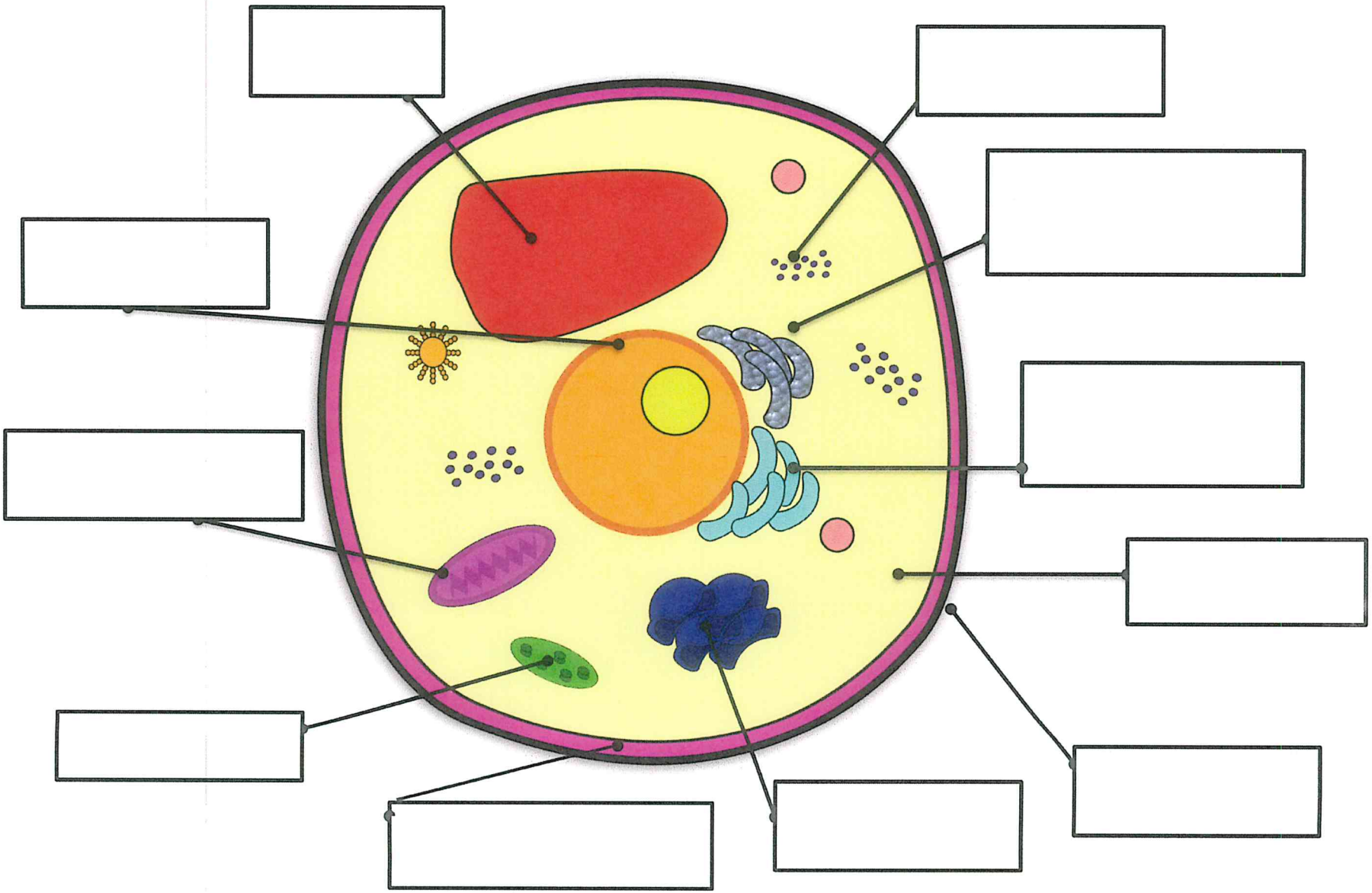
Animal Cell



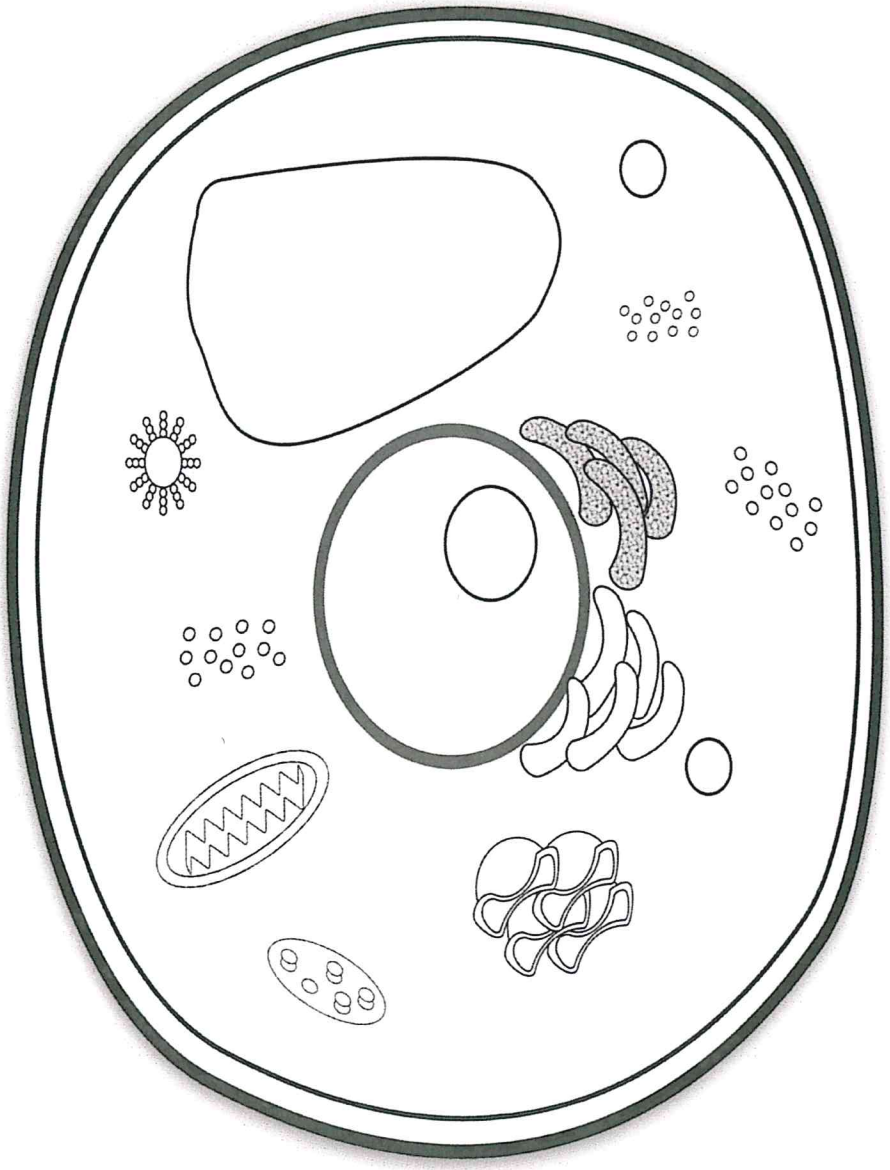
Color Key:

(list each organelle below and the color you used above)

Let's Learn About Plant Cells



Plant Cell



Color Key:

(list each organelle below and the color you used above)

Directions: Use the word bank to fill in the blanks below.

1. This organelle absorbs energy from the sunlight and uses it to make food. _____

2. These are the powerhouse of a cell. This is the site of the cell's energy production. _____

3. _____ is a jelly-like substance in which all of the organelles float around.

4. This organelle is used to store the materials needed by the cell. It's also used for storing waste. _____

5. All cells have DNA. The DNA of a cell can be found in the _____.

6. The outside wall of an animal cell is called the _____ _____.

7. This organelle assembles a cell's proteins into larger proteins. _____

8. This is the organelle that gives plants the structure they need to stand up tall. _____ _____

9. Lipids that make the cell membrane are made in the _____.

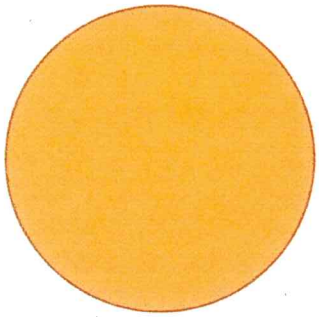
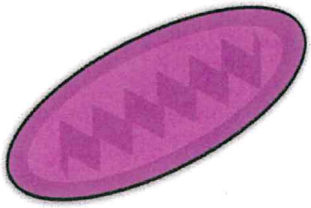
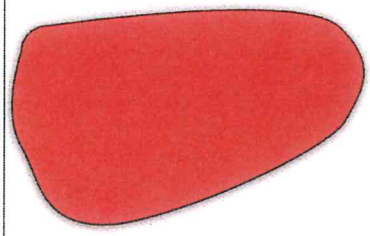
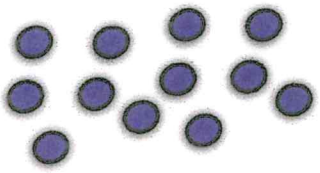
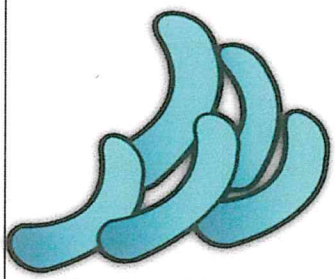
10. The _____ takes proteins and moves them to the Golgi apparatus.

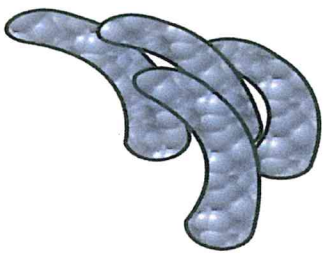
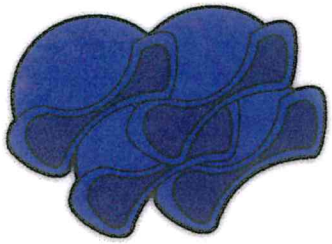
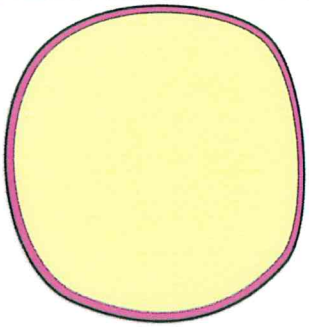
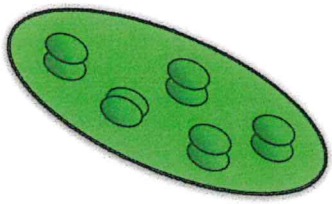
11. Proteins that are used inside the cell are found in the _____.

WORD BANK

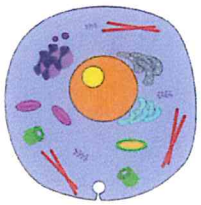
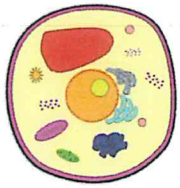
nucleus	chloroplasts	mitochondria	cell wall
vacuole	cytoplasm	ribosome	smooth ER
Golgi apparatus	rough ER	cell membrane	

Directions: Print on cardstock or laminate for stability.
Match the organelles to their descriptions.

 Nucleus	All cells have DNA. This organelle houses the cell's DNA inside it.	 Mitochondria
This organelle is the powerhouse of the cell. This is the site of the cell's energy production.	 Vacuole	This organelle is used to store materials need by the cell and for storing waste.
 Ribosomes	This organelle makes proteins to be used inside the cell.	 Smooth E.R.

Lipids that make the cell membrane are made in this organelle.	 Rough E. R.	This organelle takes proteins and moves them to the Golgi apparatus.
 Golgi Apparatus	This organelle assembles the cell's proteins into larger proteins that are more complex.	 Cell Wall
This organelle gives plants the structure they need to stand tall.	 Chloroplasts	This organelle absorbs energy from the sunlight and uses it to make food.

Directions: Cut out the book as one piece. Fold on the solid lines. Cut on the dotted line to make flaps for vocabulary words. Lift the flaps and describe each organelle Fold the cover over the flaps and glue in science notebook. Put a star beside the two organelles that are only found in plant cells.

nucleus		
mitochondria		
vacuole		
ribosome		Parts of the *Plant* and *Animal* Cell
smooth ER		
rough ER		
cell membrane		
Golgi apparatus		
cytoplasm		
cell wall		
chloroplasts	Back of Book	Cover