

Name: _____

Teacher: G P S

Period: _____

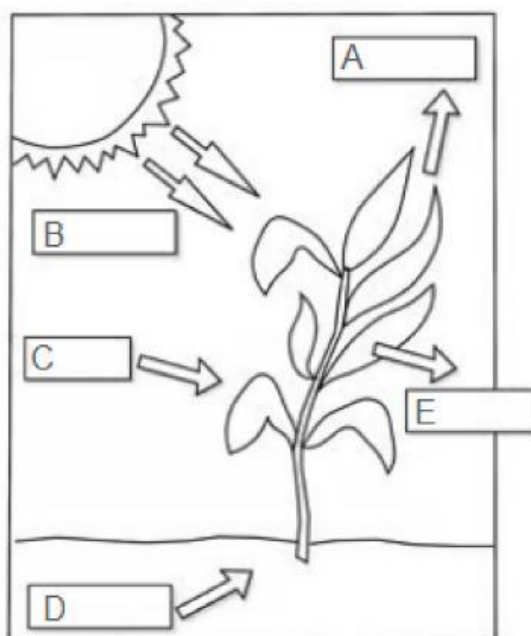
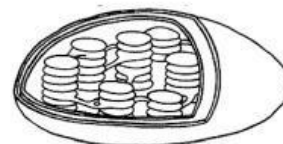
STUDY GUIDE: CRM 3.2 - PROCESSES OF LIVING SYSTEMS**Activity 1: Photosynthesis**

1. Photosynthesis is how plants and algae make _____ from sunlight.

Where does photosynthesis take place?

2. This is a _____, the cellular organelle where photosynthesis occurs. Inside are stacks of _____, the green pigment that can absorb light energy from the sun so the plant can use it for photosynthesis.

(please arrow from the word to the location in the diagram to the right)

**3. Label the diagram**

Word Bank: Water, oxygen, carbon dioxide, sugar, sunlight

A.

B.

C.

D.

E.

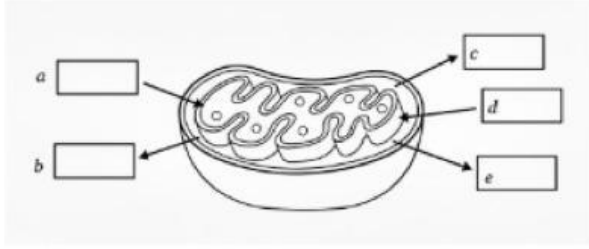
Activity 2: Cellular Respiration

1. Cellular Respiration is how living things get _____ to survive from their food.
2. Cellular Respiration happens in the _____, the powerhouse of the cell.

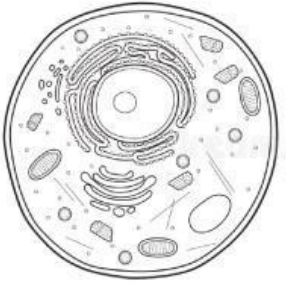
3.2 Processes of Living Systems

3. Label the diagram

Needed	Released
a.	b.
d.	c.
	e.

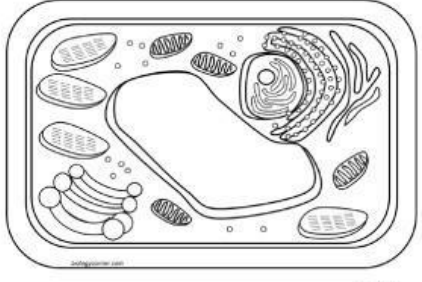


4. Label 3 organelles they have IN COMMON.



_____ cell

5. Label 3 organelles that are DIFFERENT.



_____ cell

Activity 3: Law of Conservation

1. Fill in the form of ENERGY.
Photosynthesis

Energy >>

 Energy

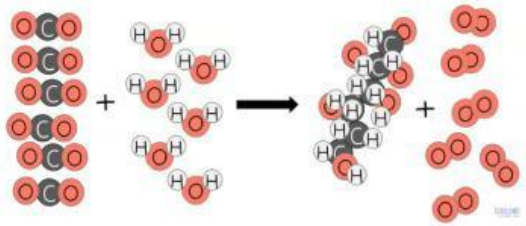
2. Fill in the form of ENERGY.
Cellular respiration

Energy >>

 Energy

3. Fill in the form of MATTER
Photosynthesis

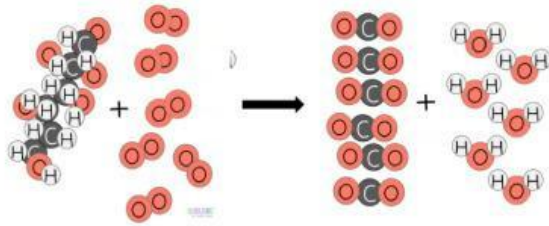
_____ + _____ >> _____ + _____



110 grams
into _____

4. Fill in the form of MATTER
Cellular Respiration

_____ + _____ >> _____ + _____



into 110 grams

5. Matter/ Energy cannot be _____ or _____ only _____.