MODEL ANSWER

EGYPTIAN AMERICAN INTERNATIONAL SCHOOL
Elementary Science Department
Semester 1 Grade 4

Extra Review Pack

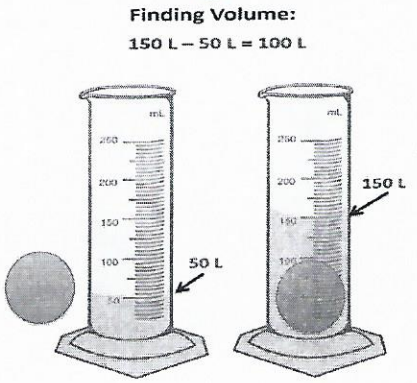
Name: _____

Class: **Date:**

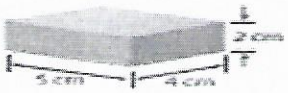
Vocabulary Review:

Displacement	**Physical properties**	**Matter**	**Mass**	**Density**	**Volume**
Size	**Hardness**	**Texture**	**Shape**	**Taste**	**Odor**

1. The toy's box **color, size and shape** are all examples of Physical properties..
2. **Everything** around you is made of matter.
3. We use a **digital or a pan balance** to measure the mass of an object.
4. To know if an object **will float or sink** we need to measure it's density.
5. When the ball was added, **the water level increased**, this is called displacement.



6. To measure how much **space** a solid object has, we need to measure length, width and height to find it's volume.



7. Flowers are used to make perfumes that have a nice odor.

8. The cotton's texture is smooth.

9. Hardness is a measure of how something can bend or dent.

10. Small, medium and large are all words that describes size.

11. A banana's taste is sweet while it's 12. shape is crescent.

Root	Leaf	Stem	Maturity	Flower	Germination

13. A stem is a structure that **has tubes** to carry water,sugar ,and minerals to different parts of the plant.

14. A root is usally **found underground** and absorb water and minerals from the soil.

15. A Leaf is a plant part that use sunlight **to produce sugar** for the plant's food.

16. All plants that produce a flower is an example of a **vascular** plant.

17. When a **seed sprouts** during a process known as germination the embryo in the seed begins to grow.

18. When a plant grows to its **full size**, it reaches maturity.

B. Answer the following questions:

19. Compare between vascular and non-vascular plants.

Point of comparison	Vascular plants	Non-vascular plants
Tubes?	Yes	No
Height?	Tall	Short
Have roots?	Yes	No

20. Compare between tap roots and fibrous roots.

Point of comparison	Tap root	Fibrous root
Thickness	Thick	Thin
Growth?	Deep into the ground	Close to the ground surface.
Examples?	Carrot / Beet.	Onion, tree.

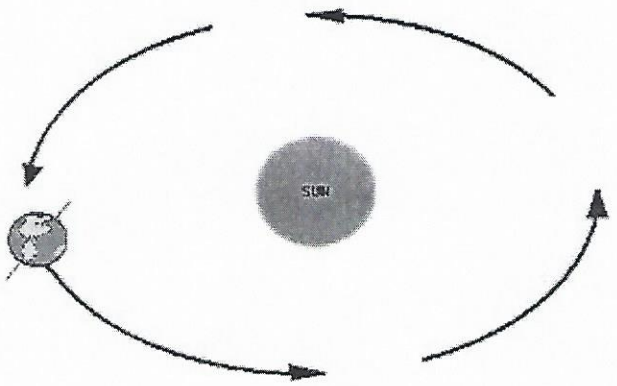
21. Compare between Sun, Earth and Moon.

Point of comparison	Sun	Earth	Moon
Composition	Hot glowing gases of helium and hydrogen.	Rocky surface.	Rocky surface
Name? (planet, satellite, star)	Star	Planet	Satellite.
Special characteristics	Source of light & heat.	Life exists. Gravity greater than the Moon.	No life forms. Less gravity than Earth.

22. Earth takes 24 hours to rotate around its axis. It has a tilted axis and takes 365 days to revolve around the sun. What is the effect of both?

The rotation of Earth **around its axis** causes day and night and it takes 24 hours to complete one round.

= 1 day



The titled axis and the revolving of Earth **around the sun** causes seasons. and it takes 1 year to complete one round.

365 days.

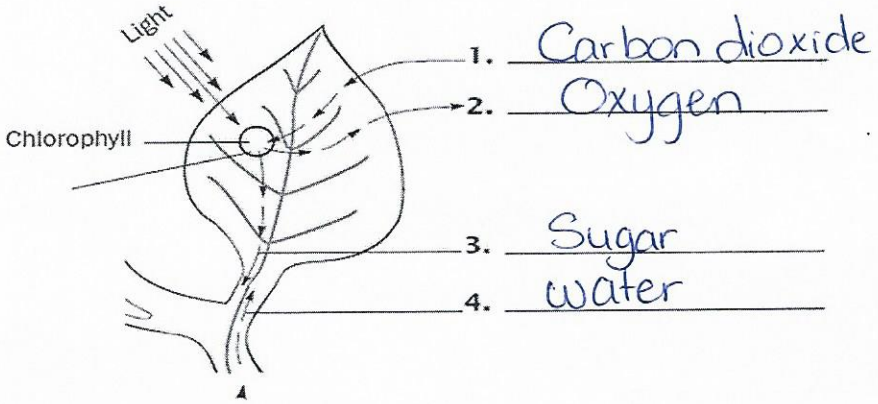
C. Label the following:

23. Label Ins and Outs of the process of photosynthesis:

Photosynthesis

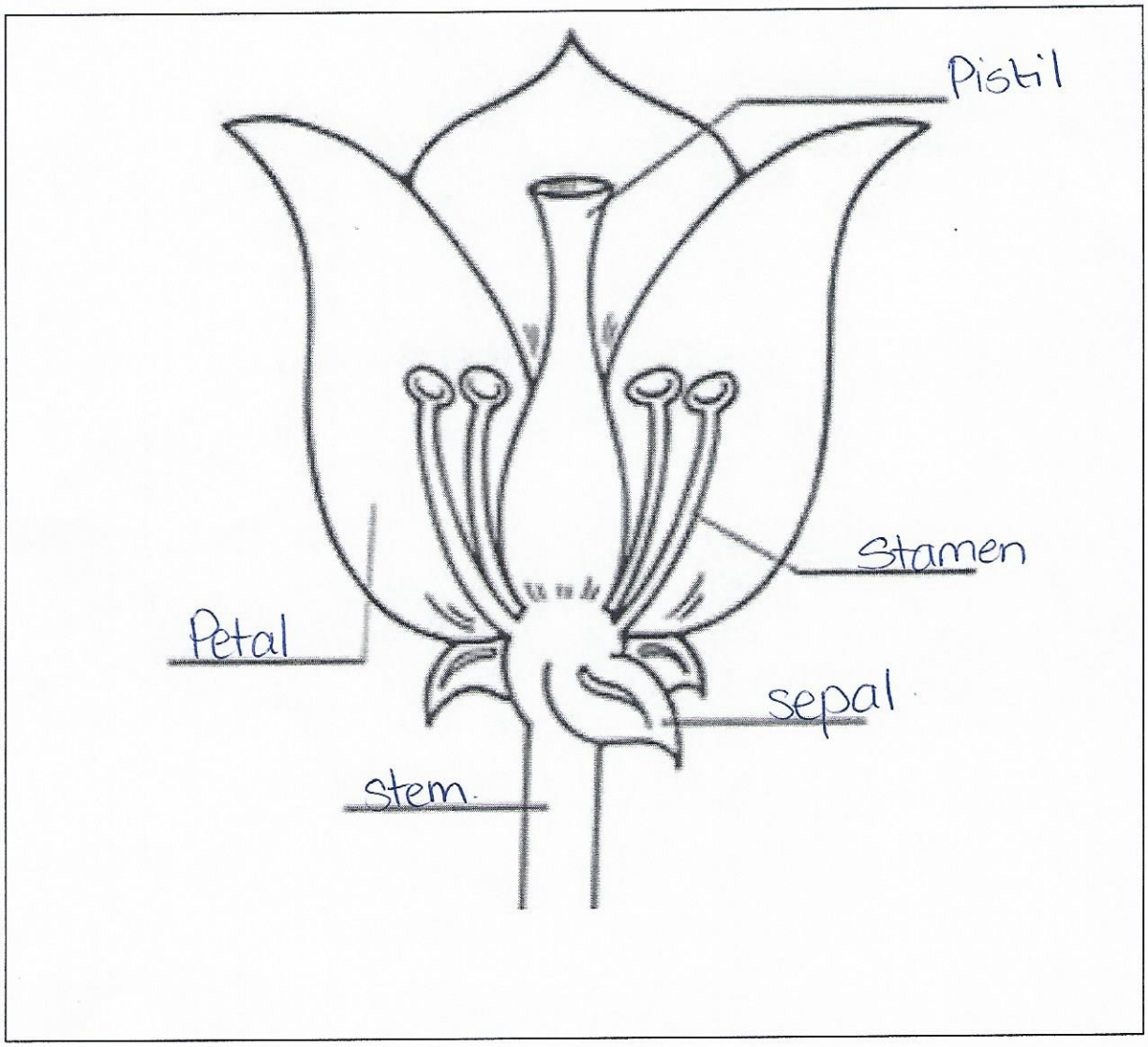
Label the diagram:

- Carbon Dioxide
- Sugar
- Oxygen
- Water



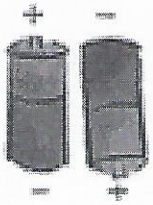
24. **Label the parts of the flower using words from the box:**

Petal	Sepal	Stamen	Pistil	Stem



25. Label the following pictures using words from the box:

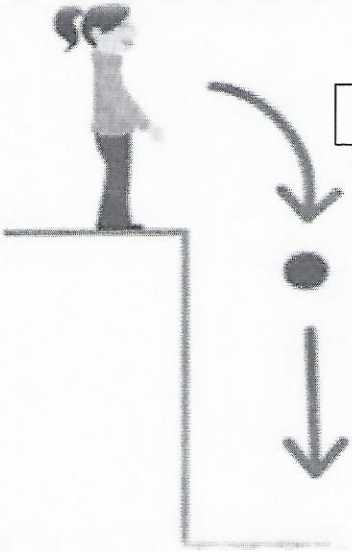
Potential energy	Kinetic energy	Chemical energy	Sound energy



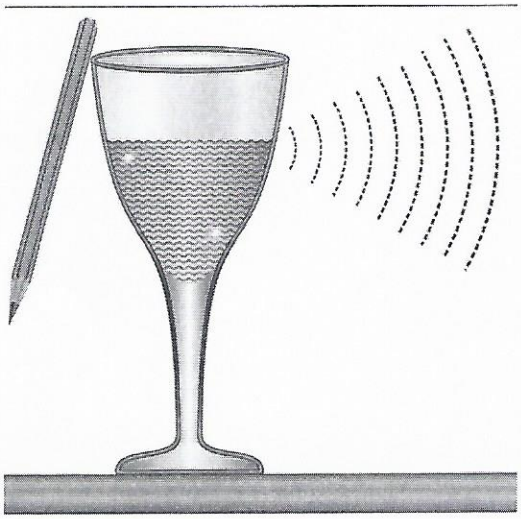
Chemical energy

Kinetic energy

Potential energy



Kinetic energy



As you strike the cup with the pencil

sound is produced.