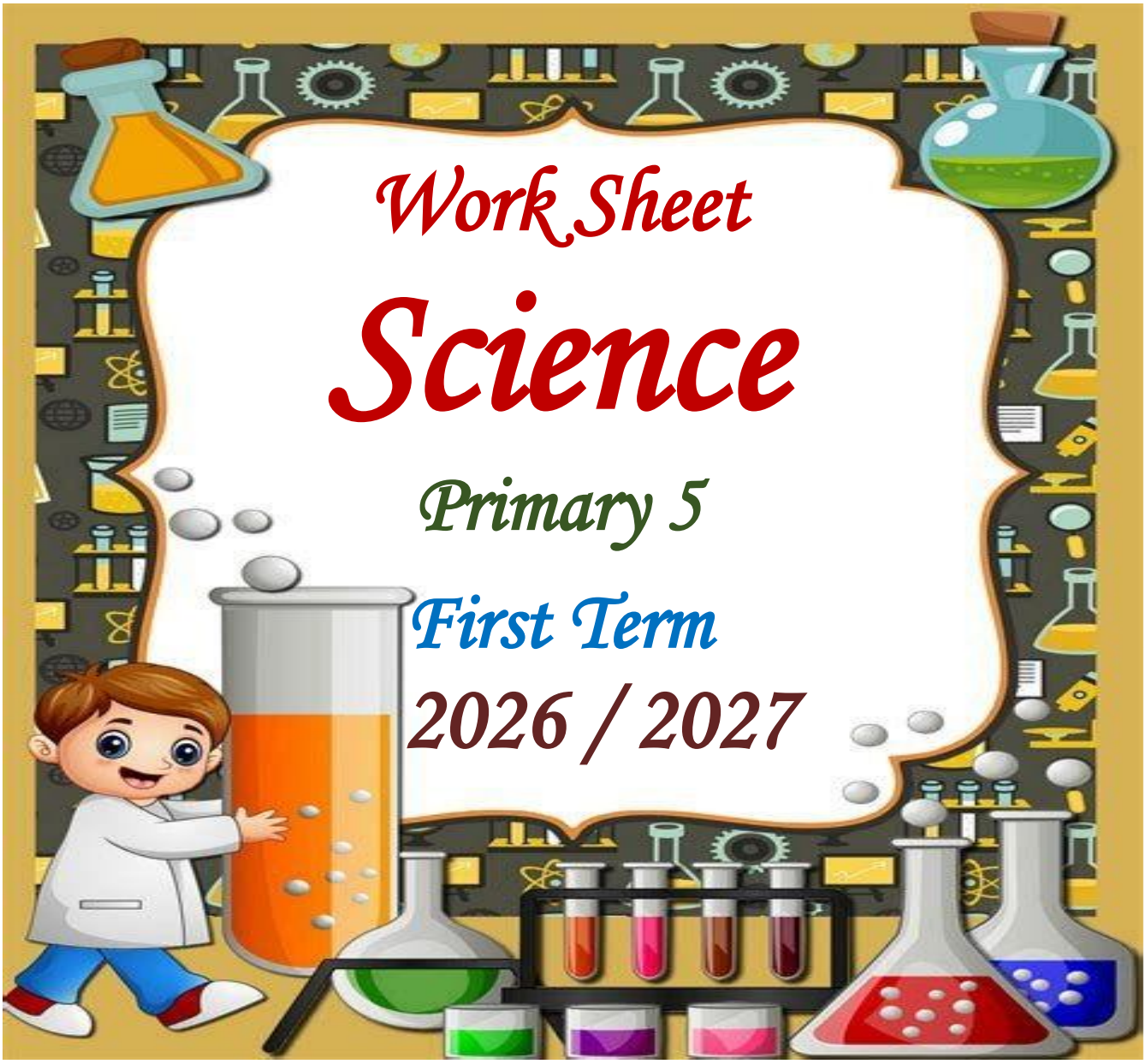
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Work Sheet

Science

Primary 5

First Term

2026 / 2027

Name : .....

Class : .....

Exercise on chapter one

Choose the correct answer:

1- Muscles often work in pairs, for example to bend the arm, the inner muscle and the outer muscle

a) contracts- contracts. b) contracts - relaxes.

c)relaxes - relaxes. d) relaxes - contracts.

2- Among the body joints that move in only one direction is the joint.

a) ankle b) wrist c) hip d) shoulder

3- The skeleton of the human body is made up of about connected bones.

a) 200 b) 206 c) 210 d) 220

Give reasons for:

1- Muscles help the body to move.

……

2 -Muscles often work in pairs.

……

3- For stretching the arm, the outer muscle of the upper part of the arm becomes shorter and harder.

……

what is meant by (define):

1-Bones

……..

2-Cartilage

……

What happens ...?

1-When muscles stop contracting and relaxing.

……

2-When the inner muscle of the upper part of the arm contracts.

……

Put (√) or (x):

1- Muscles are soft body parts that locate under the skin. ( )
2- The contracting and relaxing of bones makes the human body move. ( )
3- While stretching the arm, the outer muscle of the upper part of the arm becomes harder than the inner muscle. ( )

Correct the underlined words:

1-When the inner muscle contracts, the arm <u>stretches.</u>

2- To put a pen on the table, the <u>inner</u> muscle of the upper part of the arm contracts.

3-When bending the arm, the inner muscle of the upper part of the arm becomes <u>longer</u> and harder.

Give reasons for:

1-Ribs consist of thin bones found on both sides of the chest to form a cage-like shape

…….……

2-The backbone consists of small bumpy bones lined up vertically and onnected in a single line

……..…….

3-The rabbit can jump easily.

……..…….

Complete the following sentences:

1-The way of movement is similar in both animals and humans due to the presence of …… muscles and……. inside their bodies.

2-According to the method of movement, animals differ from each other in the…….and…… of bones, and also strength.

3-The bones of a dog's forelimb are similar to the bones of the human's ……. limb.

What happen :

1-When the muscle attached to one of the bones contracts.

……

2- When the muscle attached to one of the bone relaxes.

……

3- If there are no joints in the human.

……

Chapter (2)

➢ **Write the scientific term of each of the following:**

1-A part of plant found inside the dried fruit and used to start a new life cycle.

(……..)

2. The behavior of moving birds from cold regions to warmer regions.

(……..)

3. The state in which some animals enter to conserve their energy in extreme cold weather. (……..)

4. It is formed green during summer in luffa plant, then in winter its color change to brown and the seeds inside it becomes dark in color.

(……..)

➢ **Complete the following sentences:**

1. Leaves and fruits of plants grow in……. seasons.

2. At the end of the luffa's growing seasons, the fruits gradually turn …….

3. Luffa fruits turn from…… to brown when they dry out in winter.

4. Lizards become more active when the temperature is…….

5. Frogs and snakes are active in……weather.

➢ **Give reasons for:**

1. Naming the plant's yearly cycle by this name.

……..……

……..……

2. Withering of luffa plant in winter, does not mean we cannot plant it again.

……

……..……

3. Lizards stay still in soil and between rocks in winter seasons.

……

……..……

➢ **What is the function of ...?**

Feathers for birds.

……

……

➢ **Give one example of:**

1. Migratory birds.

……

2. Hibernating animals.

……

➢ **What happens ...?**

1. If warmth, water and air are provided to a seed planted in the soil.

……

……

2. The weather becomes extremely cold for plants.

……

……

3. If we plant luffa seeds in extremely cold weather.

……

……

➢ **Compare between:**

Points of comparison	Birds	Lizards
Activity in extremely cold weather		
Method of protection from the cold		

Chapter (3)

➢ **Choose from column (B) what suits it in column (A):**

(A)	(B)
1. To know the importance of water for the germination process	a. water and air must be kept the same.
2- The seed coat	b. water, air and temperature must be kept the same.
3- To know the importance of air for the germination process	c. water and temperature must be kept the same.
4- To know the importance of temperature for the germination process	d. temperature and air must be kept the same.
	e. is the outer part surrounding the seed

1- ……. 2…… 3……. 4…….

➢ **Put (√) or (x):**

1. The sprouting of a small plant from the seed and the beginning of its growth is. ( )
2. called the germination process. ( )
3. The seed has parts on the outside that help it grow in its early days. ( )
4. Oils are the stored nutrient inside kidney bean seeds. ( )
5. Seeds can germinate when placed in the refrigerator. ( )
6. The seeds of all plants have the same shape. ( )
7. The seed of corn has black color. ( )

➢ Write the scientific term of each of the following:

1- The sprouting of a small plant from the seed and beginning of its growth.

(……..)

2- The nutrient stored inside the two cotyledons of a kidney bean seed.

(……..)

3- A solution used to detect the starch that present in the cotyledons of a kidney bean seed. (……..)

4- A scientific rule used to study the effect of different conditions on the germination process. (……..)

5- The small part inside the seed that grows to form a new plant.

(……..)

➢ Complete the following sentences:

1- The process necessary for a small plant to sprout from the seed and start growing is called…….

2- The kidney bean seed contains a small part that looks like a small plant called the……

3- One of the nutrients stored inside the two cotyledons in the kidney bean seed is……

4- The changed condition in the experiment on the importance of air for the germination process is the presence or absence of…….

5- The color of date palm seed is……..while the color of wheat seed is…….

➢ **Give reasons for:**

1- The two cotyledons are considered the most important part of a seed in its early stage of growth.

……

……

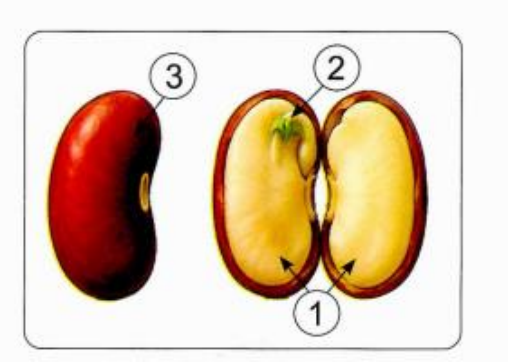
2- The color of iodine solution changes when added to a cotyledon of an unterminated kidney bean seed.

……

……

➢ **Look at the opposite figure, then answer the following questions:**

a. Label the figure:



1. ……
2. ……
3. ……

b. What is the nutrient which found in part 1?

……..

……..

Chapter (4)

➢ Correct the underlined words:

1- Sunlight helps the plant stem become <u>flexible</u> to withstand the wind.
(…….)

2- The <u>yellow</u> color of the plant leaves indicates that it has get a sufficient amount of light. (…….)

3- Fertilizers help <u>only the leaves</u> to grow healthily. (…….)

4- The two plants must be watered with <u>different</u> amounts of water to make sure the importance of fertilizer for growth. (…….)

5- When comparing two plants, we find that the plant that get fertilizer grows <u>slowly</u>. (…….)

➢ Write the scientific term of each of the following:

1- The first and most important additional factor that plants need to make their own food after the germination process. (…….)

2- The source the plant uses to make its own food to grow and become strong.
(…….)

3- Materials that contain nutrients to help the plant grow bigger and stronger.
(…….)

4- It is a substance added to the soil and led to increase the long of stem.
(…….)

➢ **Give reasons for:**

1- Sunlight is necessary for the plant after the germination process.

……

……

2- The plant weakens and withers (wilts) when sunlight is blocked from it for a while.

……

……

3- Both plants must be exposed to the same amount of sunlight in the experiment on the importance of fertilizer for growth.

……

……

➢ **What happens ...?**

1- If you covered a plant pot with a dark cardboard box for a week.

……

……

2- To the plant received water only without adding fertilizer.

……

……

➢ **Compare between**

The plant exposed to light and the plant not exposed to light:

Points of comparison	The plant exposed to light	The plant not exposed to light
Leaf color:		
Stem strength:		
The ability to make food:		

➢ **Give one example of each of the following :**

1- An additional factor required for plant growth and help it to make its own food. (…….)

2- A condition to change for the experiment on the importance of sunlight for plant growth. (…….)

Chapter (5)

➢ Put (√) or (x) :

1- The flower is the part responsible for producing seeds to grow and become new plant. ( )

2- There is a small swelling at the base of the male pumpkin flower. ( )

3- Seeds grow to become new plants. ( )

4- The microscope should be placed away from direct sunlight during use. ( )

5- The microscope has only one objective lens. ( )

6- Pollination is considered a very important step in forming the fruit correctly. ( )

➢ Choose the correct answer from those between brackets:

1-The flower produces……. (seeds - roots)

2-The male flower produces……. (fruits - pollen grains)

3-The microscope helps us see……objects. (clear - tiny)

4- The adjustment knob is used to……the image. (magnify - clarify)

5-The flower that can form fruits is the…… flower. (male - female)

➢ **Write the scientific term of each of the following:**

1-The part responsible for reproduction and producing seeds in plants.

(……)

2-The parts responsible for producing pollen grains in male flowers.

(……)

3-The part that directs the light falling on it in the microscope.

(……)

4-The transfer of pollen grains from the male flower to the female flower.

(……)

5-A part of the plant resulting from the pollination process and contains the plant's seeds inside. (……)

➢ **Give reasons for:**

1-Male flower differs in shape from female flower in the luffa plant.

……

……

2-When starting an examination with a microscope, we use the low magnification lens.

……

……

3-Making sure to gradually move the objective lens away from the slide, while looking at the sample.

……

……

➢ **What happens ...?**

When pollen grains are transferred from the male flower to the female flower of the luffa plant.

……

……

➢ **Cross out the odd word:**

1- Sepals - Pollen grains - Pistil - Swelling below the flower.
(……..)

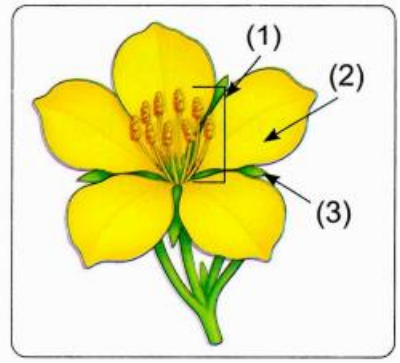
2- Petals - Pistil - Stamens - Pollen grains.
(……..)

➢ **Look at the opposite figure, then answer:**

1- Structure number (1) represents……..

2- Structure number (2) represents……..

3- Structure number (3) represents……..



4- What is the type of the flower in the opposite figure?

……

……

5- What does the yellow powder represent?

……

……

Chapter (6)

➢ **Choose from column (B) what suits it in column (A):**

Column (A)	Column (B)
1. Infancy stage	a) It is a stage when humans start walking, talking and going to school.
2. Old age stage	b) It is a stage when humans are completely depend on their mothers.
3. Childhood stage	c) It is a stage when humans need rest and health care.
	d) It is a stage when humans caring for a family and community.

1- …… 2. …… 3. ……..

➢ **Correct the underlined words:**

1. A human need more rest and taking care of health in the youth stage.
2. At childhood stage, strength of bones and muscles of human body gradually decrease.
3. A stage that starts at birth after a human spending 9 months inside the mother body is called childhood stage.
4. A process by which the living organism produces new individuals of the same species is called growth.
5. We must drink soda which contains the nutrients that our bodies need for healthy growth.

➢ **Write the scientific term of each of the following**:

1-A process through which the living organism produces new individuals of the same species. (……)

2-The stage that starts at birth after a human spending 9 months in the mother's body. (……)

3-The stage when humans need more rest and taking care of health. (……)

4-The stage between childhood and adulthood stages, when humans are able to learn and work. (……)

5-The features that children inherit from their parents. (……)

➢ **Give reasons for:**

1- Reproduction is important to all living organisms.

……

……

2- An infant completely depends on his mother at infancy stage.

……

……

➢ **What is meant by:**

Reproduction

……

……

➢ **Arrange the following human growth stages from beginning of the human's birth to the old age:**

(Youth - Childhood - Old age - Adulthood - Infancy)

……

……

Chapter (7)

➢ Correct the underlined words:

1. Cats and <u>fish</u> are similar in the way they produce new individuals. (……..……..)
2. Some animals give birth to young such as the <u>turtle.</u> (……..……..)
3. <u>A newborn</u> cat has a large size. (……..……..)
4. <u>A hen</u> lays many eggs into the water. (……..……..)
5. Nature reserves <u>decrease</u> the number of animals. (……..……..)

➢ Complete the following sentences:

1. Animal s reproduce to produce new individuals of the same……
2. The babies of animals are usually born from a…….and a ……
3. Animals can be divided according to way of producing new individuals into animals that……and animals that ……..
4. Cats give birth to babies when they are completely……
5. A process that young animals comes out of eggs is called……
6. From examples of nature reserves in Egypt……and……..

➢ What happens ...?

1. If animals do not reproduce.
   ……
   ……
2. When the mother cat gives birth to babies.
   ……
   ……
3. If countries don't set up nature reserves.
   ……
   ……

- **Cross out the odd word:**

1) Cows - Cats - Fish - Dogs. (……..)

2) Chickens - Cats - Birds - Ducks. (……..)

- **What is the importance of the following?**

1 Reproduction in animals:

……

……

2 Nature reserves:

……

……

- **Give one example of each of the following:**

1- An animal that gives birth to babies: (……..)

2- An animal that lays a huge number of eggs into the water: (……..)

3- A nature reserve in Egypt: (……..)

- **Classify the following animals into animal that lay eggs and animals that give birth to babies in the table below:**

(Cow- Chicken - Turtle - Dog - Fish - Cat - Tilapia - Horse)

Animals that lay eggs	Animals that give birth to babies
……..	……..
…….	…….
…….	…….

Chapter (8)

➢ **Match from column (A) with what suits it in column (B):**

(A)	(B)
1. Clouds	a. helps in knowing directions.
2.Trees	b. move with the wind.
3. Compass	c. is the starting direction of cloud movement in Egypt
4. West direction	d. are considered a reference point.

1…… 2……. 3…….. 4……

➢ **Put (√) or (x):**

1. If the cloud cover is "4" parts out of 8 parts of the sky, the weather condition is cloudy. ( )
2. The compass needle always points to the East direction. ( )
3. In sunny weather, the cloud cover is "7" parts out of 8 parts of the sky. ( )
4. During snowfall, we describe the weather as cloudy. ( )
5. Weather radar uses radio waves to determine the locations and amounts of rainfall. ( )

➢ **Write the scientific term:**

1. The parts of the sky covered by clouds. (…….)
2. The state of the atmosphere around us over a short period of time. (…….)
3. A tool used to determine the four directions. (…….)
4. The white parts that appear in satellite images. (…….)
5. Used to take pictures showing the movement of clouds from space. (…….)

➢ **Give reasons for the following:**

1. The importance of the reference points when observing clouds.

……

……

2. Compass is important in monitoring clouds movement.

……

……

➢ **What happens ...?**

1. If clouds blocked sunlight from reaching the Earth (according to the weather condition).

……

……

2. When we see massive white masses approaching from the west in satellite images.

……

……

➢ **Cross out the odd word:**

1. House - Tower - Flying airplane - Tree. (…….)
2. Weather - Stars - Wind - Rain. (…….)
3. Clouds - Weather - Satellites - Trees. (…….)

➢ **What is the function (importance) of each of the following:**

1. Compass:

……

……

2. Weather radar:

……

……

Chapter (9)

➢ **Write the scientific term of each of the following:**

1-The state of water that presents in the air invisibly. (……..…..……)

2-The process in which invisible water vapor turns into liquid water by cooling. (……)

3-They are formed in the sky due to collecting of water drops together. (……)

4-The continuous motion of water between the sea, the sky, and the land. (……)

➢ **Complete the following sentences:**

1-Water evaporates faster when the weather is…….

2-The process of turning water vapor into liquid water is called……

3-A bottle of iced water has water droplets appearing on its outer surface due to the process of…….

4-Water vapor cools in the sky and turns into……..

5-The water cycle ends with water returning to……..and …….

➢ **Give reasons for:**

1- The presence of water droplets on a car window in a very cold morning.
……
……

2-Evaporation of the water from seas and rivers.
……
……

➢ What happens ...?

1-If the air temperature increases in an area that has a puddles of water?

……
……

2-Water vapor touches the cold surface of a cup filled with ice cubes?

……
……

3-Water vapor cooled in the sky.

……
……

➢ Compare between :

Point of comparison	Evaporation	Condensation
Example	…… ……	…… ……