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Homework

Date _____
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click

- 1(a) Sclerenchyma
- 2(a) Muscles to bones
- 3(c) Blood and Lymph
- 4(a) Angiosperms and gymnosperms
- 5(a) Alveoli
- 6(a) Roshu
- 7(d) starch
- 8(a) ATP
- 9(b) Adipose tissues
- 10(b) Carbollic acid
- 11(c) Urinary bladder
- 12(b) Contractile vacuole

13. (a) Binary fission
 17. (b) Kidneys
 15. (d) Swollen, red patches appear on the skin

A. Name the following

1. Phloem
2. Phloem
3. Tapeworm
4. Stomata
5. Mosses

B. Fill in the blanks

1. Tubefoot
2. Bowman's Capsule
3. Spores
4. Nephridia
5. Guard cells

- 3.A.
1. Sponge → Porifera
 2. snail → Mollusc
 3. Butterfly → Arthropoda
 4. Toad → Amphibia
 5. Lizard → Reptilia

Q. 1. In chloroplast granum is present. It plays a vital role in photosynthesis as it is site for light dependant reaction.

- 4.B.
- A → Nucleus
 - B → Contractile vacuule
 - C → Food vacuole
 - D → Pseudopodia

5.A.

	Aerobic respiration	Anaerobic respiration
Oxygen requirement	utilises oxygen	Doesn't utilise oxygen
End products	$CO_2 + H_2O + \text{energy}$	Ethanol + $CO_2 + \text{energy}$
Energy released	38 ATP	2 ATP

- 6.B.
3. Water strider
 4. Typhoid
 5. Ligament

6.A.

Photosynthesis	Respiration
<ul style="list-style-type: none"> • Food is synthesised. • Oxygen is released as a by-product. • Occurs only in plant cells containing chlorophyll. • Occurs only during the day. 	<ul style="list-style-type: none"> • Food is broken down. • CO_2 is released as a by-product. • Occurs in all cells of both plants and animals. • Occurs both during the day and the night.

1. Egestion → The process of elimination of undigested food out of the body is called egestion.
2. Tissue → Tissue is a group of cells that have similar structure and that function together as a unit.
3. Symbiosis → A relationship between two different living things living close to one another and depending on each other benefiting from each other in particular ways is called symbiosis.
4. Monocotyledon → plants containing only one cotyledon or one seed leaf in their seeds, called monocotyledon plants.
5. Breathing → Breathing is the process of inhaling oxygen and exhaling carbon dioxide by lungs.

7. 1. Arthropoda

- Body is divided into three regions i.e. head, thorax and abdomen.
- Body has jointed legs.
- For ex - Crab, Ant, Spider, millipede

2. Annelida

- Body is composed of rings or segments.
- They have a soft moist body wall.
- Excretion organ - Nephridia. For ex - earth worm, leech etc.

3. Mollusca

- Soft body which is not segmented.
- Body enclosed in a hard shell.
- For ex - Snail, slug, pearl etc.

B.1. The commercial use of yeast are:

- * It is used for large production of alcohol. This alcohol is then used in making of wine, beer, whisky as well as industrial spirit.
- * Yeast is capable of converting sugar into alcohol.

2.

Xylem	Phloem
<ul style="list-style-type: none">• Transport water and minerals absorbed by the roots to other plant parts.	<ul style="list-style-type: none">• Conducts food manufactured in the leaves to other plant parts.
<ul style="list-style-type: none">• Consists mainly of dead cells.	<ul style="list-style-type: none">• Consists mainly of living cells.
<ul style="list-style-type: none">• Conduction is unidirectional i.e. only upwards from the roots.	<ul style="list-style-type: none">• Bidirectional conduction i.e. both upwards and downwards from the leaves.