

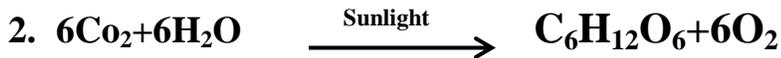
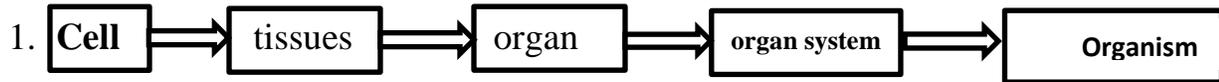
Grade- VIII

PHYSICS

1. Otto Von Guericke
2.
 - a. Muscular force
 - b. magnetic force
 - c. muscular force mechanical force and frictional force
 - d. Electrostatic force of attraction
3. The main reason is to reduce the air drag or friction due to air the aerodynamic shape is designed to have minimum drag or function with a can go forward more efficiently with less fuel consumption.
Aero planes are streamlined so that they experiences less friction with air around them as they fly
4. Advantages of friction
 - Friction enables us to walk freely
 - It helps to support ladder against the wall
 - Objects can be piled up without shipping
 - Brakes of vehicles Work due to friction
5. A real image is formed on a cinema screen it is a type of image that is formed when light rays coming from an object meet each other in actual after reflection or refraction. a real image can be easily obtained on the screen it is always inverted
6.
 - i. Friction
 - ii. spring balance
 - iii. Lubricants
 - iv. rolling friction
 - v. drag

BIOLOGY

I. Try to complete me



3.

Sno.	Adaption	Reason for Adaption
1.	PLANTS (Deserts)	Deserts /Dry, hot places plants store water in where thick stems (succulents)
2.	Penguin	Antarctic/ Wings are adapted to be short stiff slippers Strong Claus and short legs
3.	Toucan	Tropical rain forest - Large beak to reach fruits
4.	Camel	Desert : Long eye lashes keep sand out of eyes Stores water in hump Huge feet help them to walk on sand

4.

	Clay	Silt	Sand
Texture	Find textured	Small size of soil partial	Large
Practical Size	Less then 0.002 mm	0.002mm/0.05mm	Larger then 0.05mm in diameter
Advantage	Good water holding capacity	Better water holding capacity	Warms up quickly

5. Using the hints below write the process

- The process by which green plants use sun light, Carbon dioxide and water to prepare their own food.
- Green pigment Chlorophyll is present leaves.
- Stomata helps in the exchanges of gases

II. Organs in my body – Write functions and importance

1. My Hearts pumps - Pumps blood through blood vessels
2. My Stomach digests – Digestion of food
3. My Kidneys – To remove waste products and excess fluids in the form urine
4. My Lungs – To provide oxygen

III. Ravi in the in the holidays went to village, saw and heard a lot about crops and got confused about seasonal crops. Help Ravi and clear his confusions about seasonal crops in India with Examples

	Seasons	Crops
1	Rubi - Nov – March	Wheat barle maustared
2	Kaharif June to Oct	Rice , Maize , cotton , Ground
3	Zadi — { Rubi Kahrif	Zadi,Kahrif-Aug To Sep Zadi Rubi – Dec to Jan Ex : cucumber Bitter Guard , Water Melon

IV. Write the importance of following

1. Sepal: Protect the flower while bud
2. Ovary: Contains ovules , develops into seeds when
3. Stigma: Sticky surface through which pollen tube grows
4. Anther: contain pollen sac in which pollen grains are present

V. List five microorganisms and its advantages and disadvantages

S.no	Microorganisms	Advantages	Disadvantages
1	Lactobacillus Bacteria	Human food (Curd)	Intestinal gas
2	Mushroom	Human food	It spoils turns into poison
3	Penicillium notatum	Penicillin Injection	Sometimes toxin
4	Yeast	Beverage or Bakery products	Contain amino acids (Low concentration of sulphur)
5	Probiotics	Balance our intestine	Sometimes allergy in some cases