

**CLASS 6 HOLIDAY HOME WORK**  
**SUBJECT-SCIENCE**

1. What is a habitat?
2. The height of a person is 1.65 m. Express it into cm and mm.
3. Where are poles of a bar magnet located?
4. Where do you get water from?
5. Fill in the blanks :-
  - a) The process of changing water vapour into water is called \_\_\_\_\_.
  - b) No rainfall for a year or more may lead to \_\_\_\_\_ in that region.
  - c) The layer of air around the earth is known as \_\_\_\_\_.
  - d) The component of air used by green plants to make their food, is \_\_\_\_\_.
6. Mark true or false against each of the following :-
  - a) The evaporation of water takes place only in sunlight.( )
  - b) Water vapour condenses to form tiny droplets of water in the upper layers of air where it is cooler.( )
  - c) Artificial magnets were discovered in Greece. .( )
  - d) Similar poles of a magnet repel each other.( )
7. Draw an electric circuit which consists of an electric cell, bulb and a switch.
8. Differentiate between transparent, translucent and opaque substance. Give examples of each.
9. How would you measure the length of a curved line?
10. When does a flood occur?
11. Draw pie chart showing composition of air.
12. What would you prefer compost over fertilizer?
13. How a fish is adapted to an aquatic habitat.

14. Why all the oxygen of atmosphere does not get used up though a large number of organisms are consuming it? Who is refilling the oxygen in the atmosphere?
15. By which process plants lose water? Write two advantages of this process.
16. Can the two poles of a magnet be separated? If not why?
17. How would you test whether a substance is a good conductor or not?
18. What can we do to minimize over use of plastic and deal with garbage?
19. (a) Draw well labeled diagram of water cycle.

(b) Write any two techniques of rain water harvesting.

20. The plants and animals that live on land are said to live in

- a. aquatic habitat
- b. terrestrial habitat
- c. both of these
- d. none of these

21. In sea plants and animals are surrounded by

- a. saline water
- b. fresh water
- c. mineral water
- d. dirty water

22. SI unit of length is

- a. m b. cm c. km d. mm

23. Motion of a pendulum is an example of a

- a. circular motion
- b. periodic motion
- c. rectilinear motion
- d. none of these

24. A torch bulb is a

- a. dim object

**CLASS7**  
**HOLIDAY**  
**HOME WORK**  
**SUB- SCIENCE**

1. Write the differences between :
  - (I) Aerobic and anaerobic respiration.
  - (II) CROSS POLLINATION AND SELF POLLINATION
  - (III) Xylem and phloem
  - (IV) UNIFORM AND NON UNIFORM MOTION.
  - (V) Sexual and asexual reproduction
2. Draw the labeled diagram of the following:
  - (i) Human respiratory system.
  - (ii) Human excretory system
  - (iii) Soil profile
  - (iv) Flower , stamen and pistil
  - (v) Human respiratory system
  - (vi) Human heart
3. Define the following terms
  - (i) Excretion
  - (ii) Respiration
  - (iii) Fertilization
  - (iv) Pollination
  - (v) Double circulation of blood
4. Why is excretion necessary?
5. What is transpiration ? why is it a necessary evil?
6. Describe the various ways by which the seeds are dispersed.
7. The odometer of a car reads 57321 km when the clock shows the time 8:30 am. What is the distance moved by the car if at 8:50 am , the odometer reading has changed to 57336 km? calculate the speed of car in km/min, m/s, km/h.
8. Draw the distance time graph when (A) a car is moving with constant speed.(b) a car is parked on a side road
9. Find the various causes of soil pollution in your surrounding. How will you contribute to reducing the soil pollution?

10. Describe the various types of blood cells.
11. Read chapter reproduction and 11. Frame 5 question from each (except exercise) and write their answers.

*CLASS –VIII*

*SUBJECT- SCIENCE*

1. To move a loaded trolley we have to -----it.
2. The north pole of a magnet ----- the north pole of another magnet.
3. Sprinkling of powder on the carromboard -----friction.
4. Sliding friction----- than the static friction.
5. Loudness of sound is determined by the -----of vibration.
6. Unwanted sound is called -----.
7. Most liquids that conduct electricity are solution of -----
8. Lightening conductor can protect -----from the effect of lightning.
  1. Sound can travel in vacuum ( )
  2. Noise pollution may cause partial hearing impairment ( )
  3. The friction is sometimes undesirable ( )
  4. Earthquakes can be predicted in advance ( )
  5. Gravitational force is non-contact force ( )

1. A ball rolling on the ground slows down and finally stops. This is because of  
 (a) Force (b) less force applied (c) friction (d) none of above
2. Which of the following cannot be charged easily by friction?  
 (a) A plastic (b) A copper rod (c) An inflated balloon (d) A woollen cloth
1. A blacksmith hammers a hot piece of iron while making a toll. How does the force due to hammering affect the piece of iron?
2. Write the two example of non-contact force
3. Name the scale on which the destructive energy of earthquakes is measured?
4. Give two example of each to show that friction is both a friend a foe.
5. Prepare a list of objects around you that are electroplated.
6. Does pure water conduct electricity? If not, what can we do to make it conducting?
7. Define following terms  
 (a) Amplitude (b) Frequency (c) Electroplating
8. Suggest three measures to protect ourselves from lightning.
9. Explain in what way noise pollution is harmful to humans.
10. Is it safe for electrician to carry out electrical repairs outdoors during heavy downpours? Explain.