CHAPTER-1
LIVING AND NON-LIVING THINGS

ASSIGNMENT FOR SA AND FA

1. Tick (✓) the correct options:
   (a) Food gives living things ________________ to do work.
       (i) good health    (ii) energy    (iii) happiness    (iv) all of these
   (b) Insects like, cockroaches and grasshoppers breathe through:
       (i) spiracles    (ii) lungs    (iii) gills    (iv) skin
   (c) Our body has ________________sense organs.
       (i) four    (ii) three    (iii) two    (iv) five
   (d) All ________________things are non-living.
       (i) natural    (ii) man-made    (iii) both (i) and (ii)    (iv) none of these
   (e) Which of the following are living things?
       (i) Cloud  (ii) River  (iii) Sun  (iv) Ants

2. State whether the given statements are true (T) or false (F):
   (a) Plants do not show movement. ✓
   (b) All animals eat both plants and other animals. ✗
   (c) Plants have special pores called stomata in flowers to take up air from
       the surroundings. ✓
   (d) Non-living things can neither sense things around them nor do they react. ✗
   (e) Living things do not grow and change. ✗

3. Fill up the blanks:
   (a) Things given by nature are called ________________ while things made by
       humans are called ________________.
   (b) The air that we breathe helps us to ________________ from the food we eat.
   (c) Organs which can feel things around you are called ________________.
   (d) Living things ________________ and change.
   (e) Living things can ________________, ________________, ________________,
       ________________, ________________, and ________________, whereas,
       non-living things cannot.
4. **Match the following:**
   (a) Kittens  
   Horse
   (b) Sapling  
   Hen
   (c) Colt  
   Flower
   (d) Buds  
   Cat
   (e) Chick  
   Tree

5. **Given below are some items. Characterize the following items as ‘L’ for living things and ‘N’ for non-living things:**
   Car  
   Pencil  
   Television
   Humans  
   School bag  
   Mango tree
   Parrot  
   Lion  
   Notebook

6. **Answer the following questions:**
   (a) Why do animals move from one place to another?
       ________________________________________________________________
       ________________________________________________________________

   (b) How are sense organs important for living beings?
       ________________________________________________________________
       ________________________________________________________________
       ________________________________________________________________

   (c) All living things reproduce. Elaborate.
       ________________________________________________________________
       ________________________________________________________________

   (d) What are the characteristics of living things?
       ________________________________________________________________
       ________________________________________________________________
       ________________________________________________________________

   (e) Why is breathing important for living things?
       ________________________________________________________________
       ________________________________________________________________
7. **HOTS questions (Higher Order Thinking Skills):**
   (a) How do aquatic animals (frog, fishes, etc.) breathe in water?

   (b) Do we intake all gases in the air for breathing or only one gas?

   (c) What if all plants respond to our touch and start showing movement?

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8. **Consider the following:**
   (i) Fish moves in water and so does a ship. Fish is living but ship is non-living. 
   Now add some more examples like the one given above:
   (ii) 
   (iii) 
   (iv) 
   (v) 

9. **Make a list of ten living and ten non-living things around you. Also collect their pictures and paste them along with their names.**

10. **Sow some seeds in a pot and water them regularly. Also sow some stones in another pot and water them. Observe for some days and write down your observations.**
CHAPTER-2
PLANTS AND ANIMALS

ASSIGNMENT FOR SA AND FA

1. Tick (✓) the correct options:
   (a) Plants exchange gases through small pores called:
       (i) trachea    (ii) spiracles    (iii) stomata    (iv) lungs
   (b) Frogs can breathe through:
       (i) slimy skin    (ii) mouth cavity    (iii) lungs    (iv) all of these
   (c) Animals that eat both plants and animals are called:
       (i) carnivores    (ii) herbivores    (iii) omnivores    (iv) none of these
   (d) If you get pricked by a nail, you immediately remove your hand. This exhibits that:
       (i) you feel the pain    (ii) you can react
       (iii) your response to stimuli    (iv) all of these
   (e) Stem cuttings of _______ plant can be used to grow new ones.
       (i) marigold    (ii) cauliflower    (iii) rose    (iv) lily

2. State whether the given statements are true (T) or false (F):
   (a) Animals that eat only plants are called omnivores.    [ ]
   (b) Birds can fly using their fins.    [ ]
   (c) Some of the plants can also be grown by the parts of the plants other than seeds.    [ ]
   (d) Animals grow in size throughout their lifetime.    [ ]
   (e) Animals help plants in reproduction.    [ ]

3. Fill up the blanks:
   (a) Animals move from one place to the other in search of ________________ and for ________________.
   (b) Animals that eat only ________________ are called carnivores.
   (c) This series of living beings acting as source of food is called ________________.
   (d) Plants reproduce through ________________ which contain baby plants.
   (e) Though animals and plants are different from each other, they ________________ on each other to live.
4. Match the following:
(a) Humans  Fins
(b) Birds  Limbs
(c) Fish  Wings
(d) Snake  Droop on touch
(e) Memosa  Scales

5. Make a flow chart that shows differences in plants and animals.

6. Answer the following questions:
(a) Why are plants unique?

(b) Define photosynthesis.

(c) Depending upon their eating habits, animals are classified into three categories. Explain.

(d) What do you understand by ‘response to stimuli’?

(e) How is reproduction in animals different from that of plants?

(f) How are plants and animals interdependent?

7. HOTS questions (Higher Order Thinking Skills):
   (a) What will happen if a food chain gets disturbed?

   (b) Give an example of interdependence between plants and animals. (Other than the ones given in chapter).

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8. Given below is a food chain. Pick out the odd animal from the food chain and replace it by an appropriate one. Give reasons for your answer.

   Grains → Rat → Kitten → Cow


9. Go to a zoo and observe the animals living in water. See carefully how they breathe. Ask the zoo helper how he feeds them. Now compare this with breathing and eating habits of land animals.