

Grade 7 Transportation in Animals and Plants Worksheets

A. Match the following:

'A'	'B'
1. Stomata	a. Absorption of water
2. Xylem	b. Transpiration
3. Root hair	c. Transport of food
4. Phloem	d. Transport of water
	e. Synthesis of carbohydrates

B. Fill in the blanks:

1. The blood from the heart is transported to all parts of the body by the
2. Haemoglobin is present in cells.
3. Arteries and veins are joined by a network of
4. The rhythmic expansion and contraction of the heart is called
5. The main excretory product in human beings is
6. Sweat contains water and
7. Kidneys eliminate the waste materials in the liquid form called
8. Water reaches great heights in the trees because of suction pull caused by

C. Tick (✓) the correct option:

1. In plants, water is transported through :
(a) xylem
(b) phloem
(c) stomata
(d) root hair
2. Water absorption through roots can be increased by keeping the plants:
(a) in the shade
(b) in dim light
(c) under the fan
(d) covered with a polythene bag
3. Human heart is:
(a) 3 – chambered
(b) 2 – chambered
(c) 4 – chambered
(d) none of these

4. Which one of the following is excreted by fish?

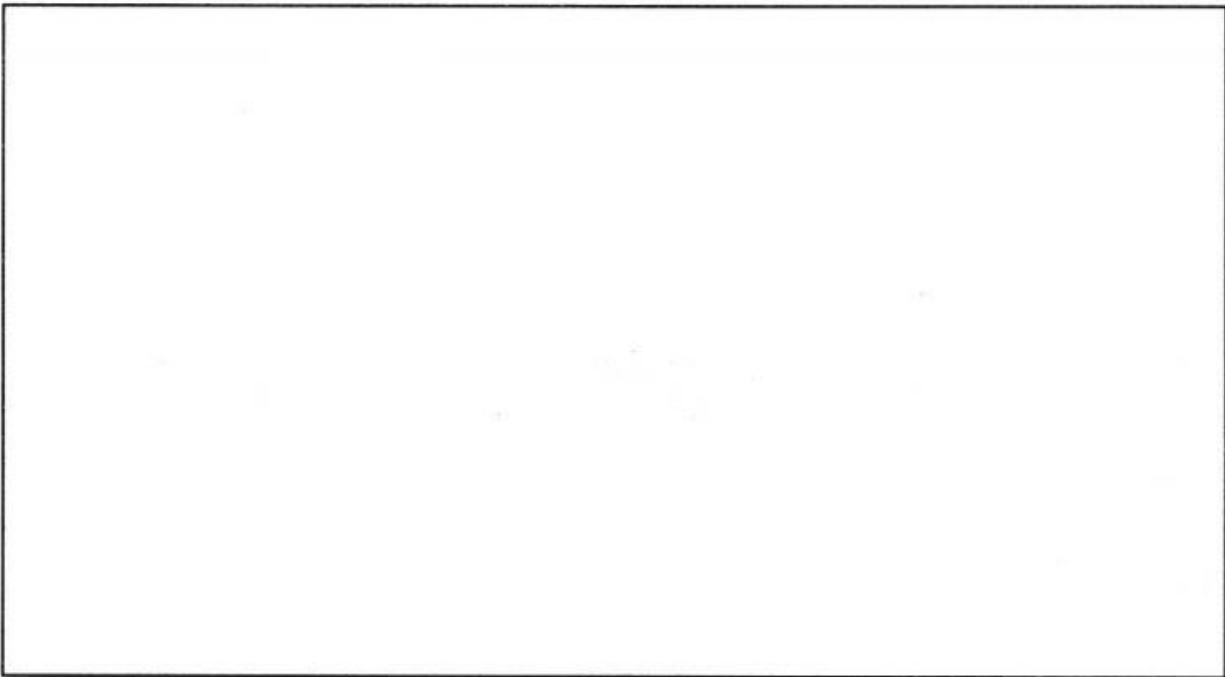
- (a) Ammonia
- (b) Uric acid
- (c) Urea
- (d) None of these

5. The blood cells that form a part of body's defence mechanism are:

- (a) red blood cells
- (b) platelets
- (c) white blood cells
- (d) all of these

D. Answer the following questions in short:

1. Why is transport of materials necessary in a plant or in an animal? Explain.
2. What will happen if there are no platelets in the blood?
3. What are stomata? Give two functions of stomata.
4. Does transpiration serve any useful function in the plants? Explain.
5. What are the components of blood?
6. Why is blood needed by all the parts of a body?
7. What makes the blood look red?
8. Describe the function of the heart.
9. Why is it necessary to excrete waste products?
10. Draw a diagram of the human excretory system and label the various parts.



11. Why is the colour of blood red?

12. Xylem transports sap upwards only whereas phloem transports food in both

directions. Why do you think there is a difference?

13. Why do we get white patches on our clothes on a hot summer day?

E. State 'True' or 'False':

1. Haemoglobin is found in WBC.
2. Transpiration is dependent on absorption of water.
3. Neurons are the filtering units of kidney.
4. During an exercise, the heart-beats of humans fall sharply.

F. Find out about blood groups and their importance.

G. Record the pulse rate while doing various activities in the table given below.

You can do this for your family members:

Name of Family Members		Pulse Per Minute			
		Lying on bed	Eating	Running	Exercise
1.					
2.					
3.					
4.					
5.					
6.					
7.					