

Asset Practice Answers: Science

**1. Some rivers in North India flow all-round the year. These rivers are called perennial rivers. Where do they start from?**

**A.** Ocean

**B.** The rain water

**C. Rivers of ice called glaciers**

**D.** Huge lakes of salty waters

**2. Which of the following foods is an important source of roughage?**

**A.** Rice

**B.** Wheat

**C.** Dal / Pulses

**D. Vegetables**

**3. Which of these means of communication was invented first?**

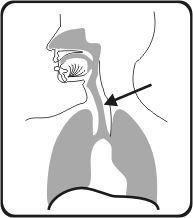
**A. Letters**

**B.** Television

**C.** Radio

**D.** Telephone

**4. Look at the picture given below. What is the main function of the organ pointed by the arrow?**



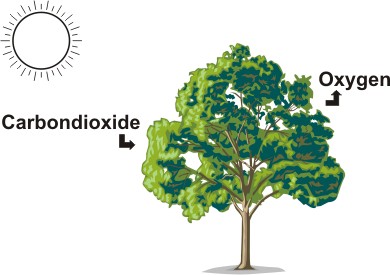
**A.** Carrying food

**B.** Carrying blood

**C.** Carrying messages

**D. Carrying air**

**5. Which process that happens in a tree is shown in this picture?**



**A. Making of food**

**B.** Breathing

**C.** Resting

**D.** Losing water

**6. Sushila has brown eyes. The following people in her family have brown eyes. Whom could Sushila have got her brown eyes from?**

**A.** Her niece

**B.** Her sister

**C.** Her daughter

**D. Her grandmother**

**7. A baby chicken grows inside an egg for 21 days before it hatches. Where does the baby chick get its food before it hatches?**

**A.** It is fed by the mother hen.

**B.** It doesn't need any food.

**C. It uses food stored in the egg.**

**D.** It eats the egg shell.

**8. In many countries, on the main roads, people are encouraged to use cycles to travel. Which of these could be the MAIN reason to encourage people to use cycles?**

**A.** Cycles are very cheap.

**B.** Cycles cannot travel very fast.

**C. Cycles do not pollute the surroundings.**

**D.** Cycles do not need an engine to operate.

**9. A harmful effect of burning waste material in open spaces is that: A.** It will cause a big fire.

**B. It causes air pollution.**

**C.** It can cause injuries to those standing around.

**D.** The burnt material cannot be used.

**10. Why are nights usually cooler than days?**

**A.** Because the moon's light cools the parts that have night

**B.** Because the light from the stars cools the parts that have night

**C. Because the parts having night are not facing the Sun**

**D.** Because at night, the Earth is further away from the Sun

**11. Kalpana sees a plane taking off at the airport. From where does the plane get energy to fly?**

**A.** From its wings

**B. From its fuel**

**C.** From the wind

**D.** From its wheels

**12. Gita is giving hints about an animal organ and Harini has to guess what the organ is. Here are the hints given by Gita: • This organ allows air to enter into the body. • It is present both in humans and fishes. Which of these could be the organ Gita was talking about?**

**A.** Lungs **B.** Gills **C.** Eyes

**D. Mouth**



1. C: Rivers flow into the ocean. They do not start from the ocean. If the river is flowing all-round the year, it means that it is starting from some place which has a source of water. Such perennial rivers start from glaciers, where the ice melts and converts into water. If it was rain water, it is likely to dry up in a year or reduce in amount and hence may not flow round the year.

2. D: Roughage is the content of the food that cannot be digested by us. It is the fibre content present in the food items.

Vegetables or any plant item would contain high amount of roughage. Dal/pulses are good source of proteins.

3. A: Letters were invented much before any electronic mode of communication. The radio, telephone and television were invented after the discovery of electricity. Hence, option C is incorrect. Letters were being used even before the discovery of electricity.

4. D: The organ labelled connects the passage from the nose and the mouth to the lungs. Hence it must be carrying air. If it was carrying food, it would not be starting from the nose and it would be going to the stomach instead of the lungs.

5. A: Have you noticed the arrows in the figure carefully? It shows carbon dioxide being taken in and oxygen being released.

This happens when the plant is making its food using sunlight. It uses carbon dioxide and water and in the presence of

the green pigment present in its leaves and sunlight, it prepares its food. If it was representing breathing, the arrows would show oxygen getting used by plants and carbon dioxide being released.

6. D: Children get their characteristics from their parents who get theirs from their parents. Hence, you can get features similar to your parents or your grandparents, but you can't have features passed on from your sister or niece or daughter. Hence, option D is the only correct answer.

7. C: Eggs have food stored inside them. When the baby chicken is growing inside the egg, it gets food from the stored food. If you see an egg you will find that the covering is hard and so there is no way the mother can feed the baby chicken inside it.

8. C: Air pollution is a big problem today. We need to find ways to reduce it. Cycles do not release any harmful smoke.

Hence, people are told to use cycles to travel. Engines that run on electricity do not give out smoke, hence, it does not matter whether cycles need engines or not. Hence, option C is the only correct answer.

9. B: Burning waste material in open space would mean burning it in a place where no plants or building or any other things is close by. Hence burning waste material in open space will not cause a big fire or will not cause any injury to anyone. Burning of any material releases gases which can be harmful and can lead to air pollution.

10. C: Have you experienced the heat felt ‘directly’ when you face the Sun or a bonfire directly? Is it different when you turn your back towards the Sun or the bonfire? That is exactly why nights are cooler than days. The part of the Earth where there is night is facing away from the Sun and does not receive direct sunlight and hence feels cooler compared to the part which faces the Sun and receives direct sunlight. Earth is almost at the same distance from the Sun at night as during the day and so it is not the reason why nights are cooler than days.

11. B: All vehicles use fuel. The fuel when burnt provides energy to the vehicle to move. A plane also uses fuel and it gets energy to fly from that fuel. It does not get energy from the wind.

12. D: Lungs do not allow air to enter the body. They only help to purify the air. The nose or mouth allows air to enter into the body. Also, lungs are not present in fishes. Hence, option A is incorrect. The mouth is present in both, humans and fishes and it allows air to enter into the body. Hence, option D is the correct answer.