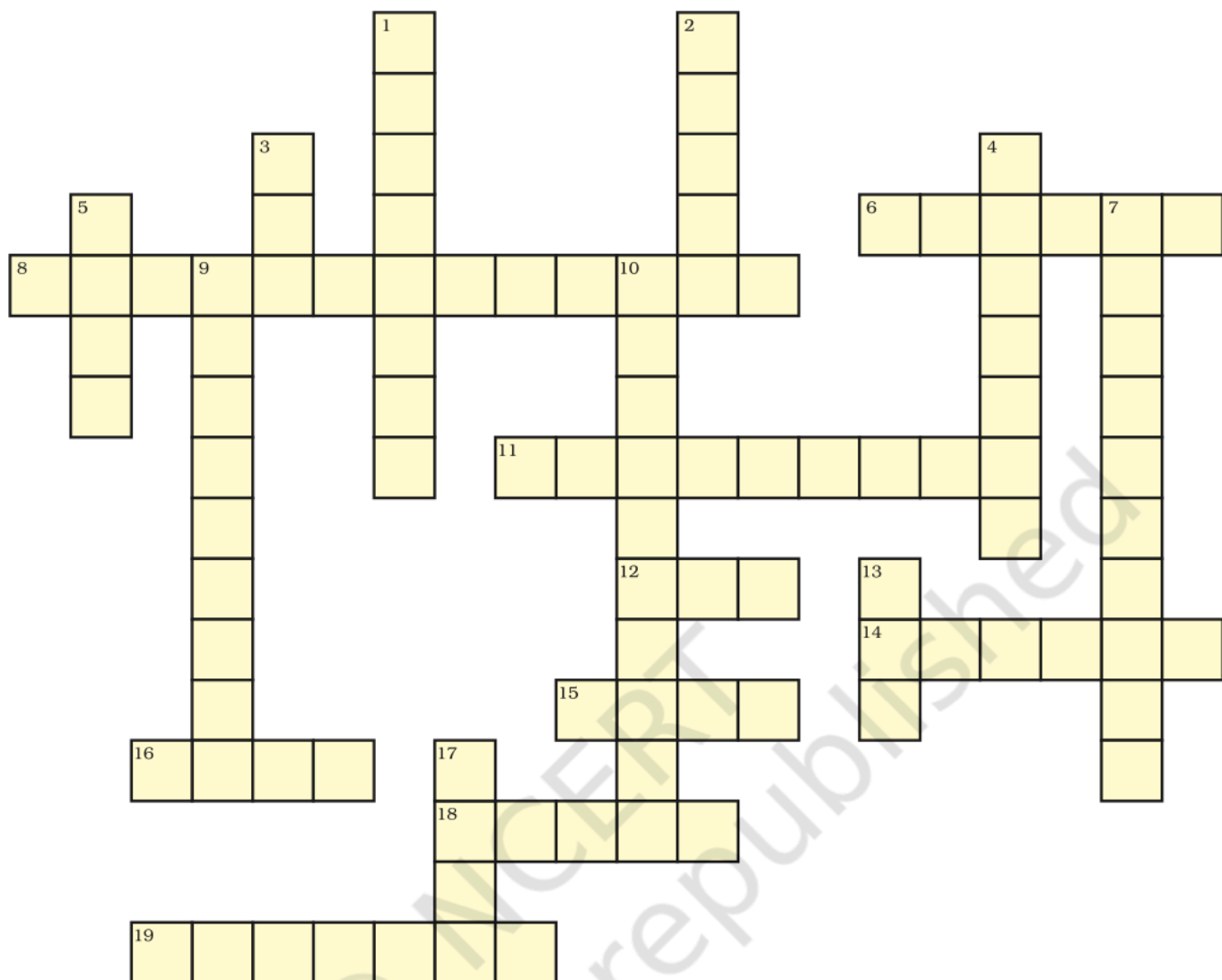


(i) Solve this Crossword puzzle with the help of given clues:



### Across

6. An Indian tree having extraordinary quality of providing oxygen round the clock
8. Gas present in atmosphere occupying only 0.03% by volume
11. Outermost layer of atmosphere
12. Mixture of many gases
14. Life giving gas
15. Air in motion
16. An indian tree valued highly for medicinal properties
18. Gas protecting us from harmful sunrays
19. Low pressure area

### Down

1. Amount of water vapour in air
2. Condensation of water vapours around dust particles in atmosphere
3. Example of local wind blowing in summer in northern india
4. Short term changes in atmosphere
5. Precipitation in liquid form
7. Blanket of air around the earth
9. Instrument to measure pressure
10. Incoming solar radiation
13. Reduces visibility in winters
17. It is ..... time when sun is overhead

- (v) Name three types of rainfall?  
(vi) What is air pressure?

**2. Tick the correct answer.**

- (i) Which of the following gases protects us from harmful sun rays?  
(a) Carbon dioxide    (b) Nitrogen    (c) Ozone
- (ii) The most important layer of the atmosphere is  
(a) Troposphere    (b) Thermosphere    (c) Mesosphere
- (iii) Which of the following layers of the atmosphere is free from clouds?  
(a) Troposphere    (b) Stratosphere    (c) Mesosphere
- (iv) As we go up the layers of the atmosphere, the pressure  
(a) Increases    (b) Decreases    (c) Remains the same
- (v) When precipitation comes down to the earth in the liquid form, it is called  
(a) Cloud    (b) Rain    (c) Snow

**3. Match the following.**

- |                 |                                |
|-----------------|--------------------------------|
| (i) Trade Winds | (a) Incoming solar energy      |
| (ii) Loo        | (b) Seasonal wind              |
| (iii) Monsoon   | (c) Horizontal movement of Air |
| (iv) Wind       | (d) Layer of ozone gas         |
|                 | (e) Permanent wind             |
|                 | (f) Local wind                 |

### 3. Tick the correct answer.

- (i) The process by which water continually changes its form and circulates between oceans, atmosphere and land  
(a) Water cycle                      (b) Tides                      (c) Ocean currents
- (ii) Generally the warm ocean currents originate near  
(a) Poles                      (b) Equator                      (c) None of these
- (iii) The rhythmic rise and fall of ocean water twice in a day is called  
(a) Tide                      (b) Ocean current                      (c) Wave

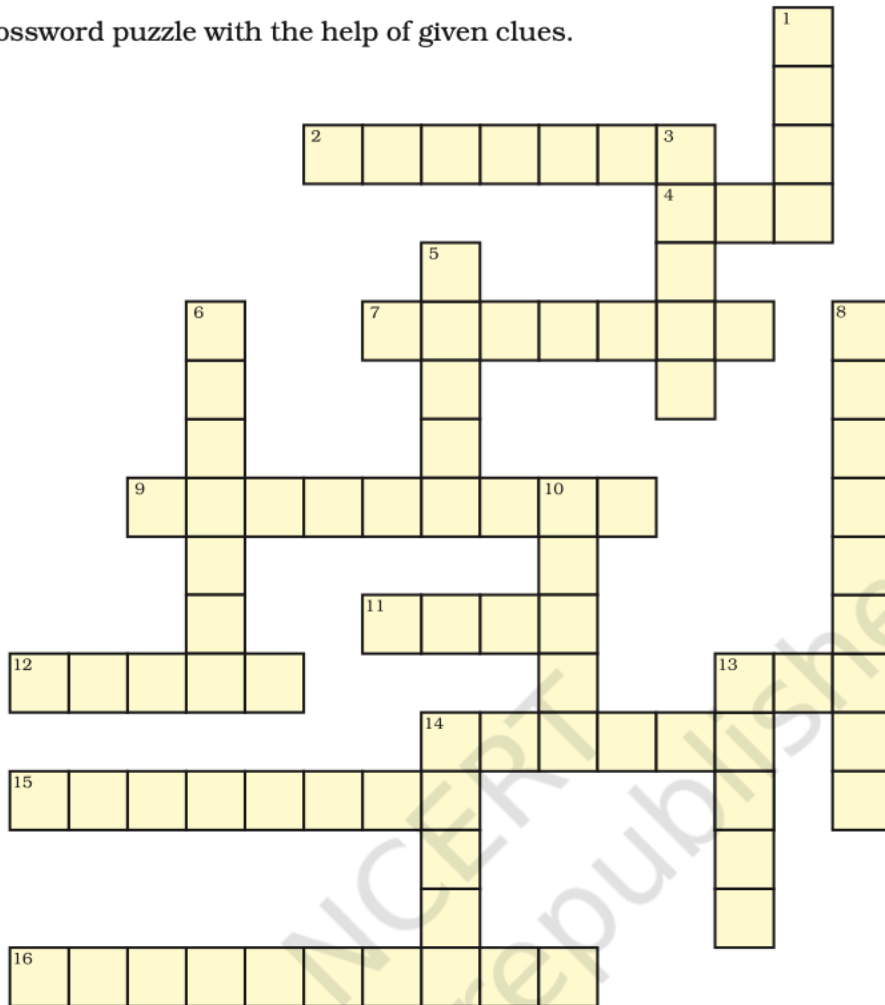
### 4. Match the following.

- |                     |  |
|---------------------|--|
| (i) Caspian Sea     | (a) Largest lake                                 |
| (ii) Tide           | (b) Periodic rise and fall of water              |
| (iii) Tsunami       | (c) Strong seismic waves                         |
| (iv) Ocean currents | (d) Streams of water moving along definite paths |
|                     | (e) Water cycle                                  |

### 5. For fun

## 6. For fun.

Solve the crossword puzzle with the help of given clues.



### Across

2. Loop like the bend of a river
4. Solid form of water
7. Moving mass of ice
9. Sudden descent of water in the bed of a river
11. Natural cavity on weak rocks formed by action of waves
12. Embankment on a river that keeps it in its channel
13. Large body of sea water
14. Dry area where sand dunes are found
15. Small hill of sand caused by the action of the wind
16. Flat plain formed by river deposits during time of flood

### Down

1. Rise and fall of water caused by friction of wind on water surface
3. Flow of water in a channel
5. Steep perpendicular face of a rock along a sea coast
6. Debris of boulder and coarse material carried by glacier
8. Crescent shaped lake formed by a meandering river
10. Fine sand deposited by the action of the wind
13. Isolated mass of rising steep rock near a coastline
14. Alluvial tracts of land formed by the river deposits at the mouth of a river

## 5. Map skills.

- (i) On an outline map of the Indian Sub-continent, draw the rivers Ganga and Brahmaputra from the source to the mouth. Also show the important tributaries of both the rivers.
- (ii) On the political map of South America, draw the equator. Mark the countries through which the equator passes.

**1. Answer the following questions.**

- (i) Name the continent in which the Amazon Basin is located.
- (ii) What are the crops grown by the people of the Amazon Basin.
- (iii) Name the birds that you are likely to find in the rainforests of the Amazon.
- (iv) What are the major cities located on the River Ganga.
- (v) Where is the one-horned rhinoceros found?

## **5. Map skills.**

- (i) On the outline map of Africa, mark the Sahara desert and any four countries around it.
- (ii) On the outline map of India, mark the Karakoram Range, Zaskar Range, Ladakh and Zoji La pass.

## **6. Fun**

(d) What mainly attracts tourists to Ladakh?

(e) What type of clothes the people of the Sahara desert wear?

(f) Name the trees that grow in Ladakh.