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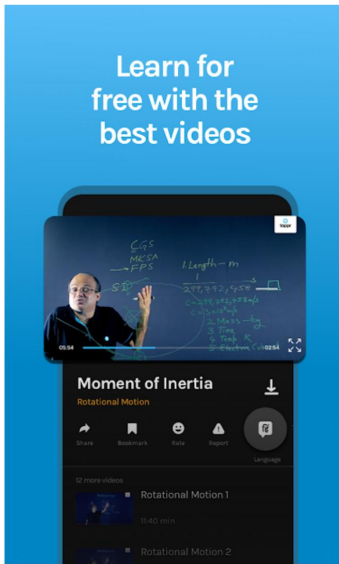
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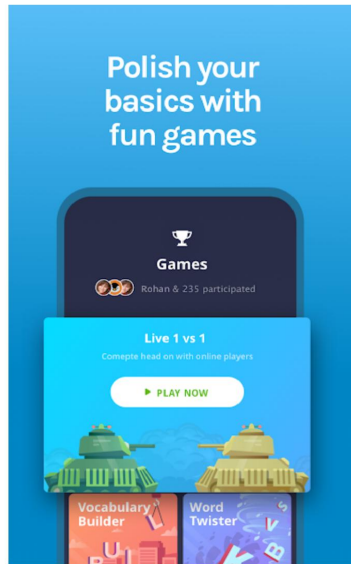


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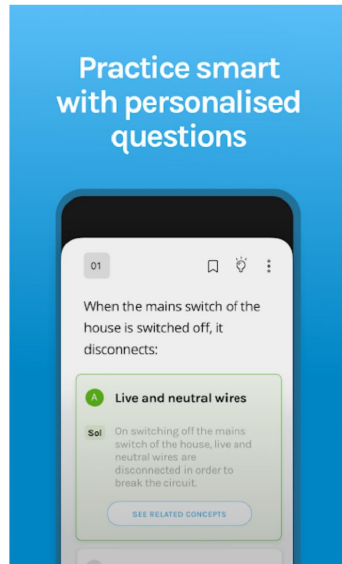
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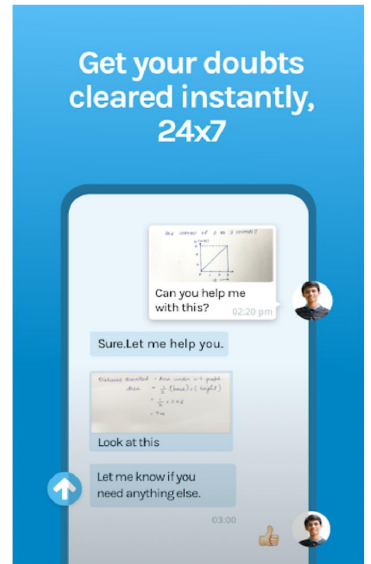
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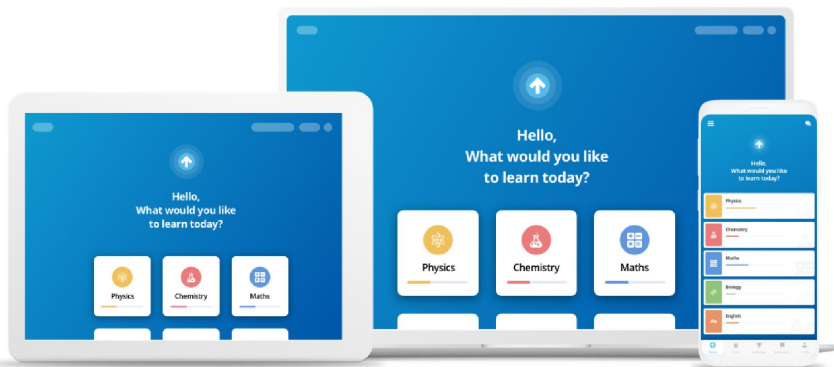
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## **NCERT Solutions for Class 7 Subject-wise**

- [Class 7 English](#)
- [Class 7 Maths](#)
- [Class 7 Science](#)
- [Class 7 Social Science – History](#)
- [Class 7 Social Science – Geography](#)
- [Class 7 General Knowledge](#)

**Q.1. Answer the following question briefly.  
Give four examples of human-made environment.**

**SOLUTION**

Four examples of human-made environment-buildings, parks, bridges and roads.

**Q.2. The ecologists and the environmentalists are against big dams and multi purpose projects as it \_\_\_\_\_.**

**A** Produces hydroelectricity

**B** Produces more vegetation and soil

**C** affects their natural flow causing excessive sedimentation on the rivers beds resulting in poor habitat for the rivers aquatic life

**D** Easy for the aquatic fauna to migrate

**SOLUTION**

In recent years Dams and multi purpose projects have come under great opposition and scrutiny for various reasons:

1. Regulating and damming of rivers affect their natural flow causing excessive sedimentation on the rivers beds resulting in poor habitat for the rivers aquatic life.
2. Dams also fragment rivers making it difficult for the aquatic fauna to migrate especially for spawning.
3. The reservoirs that are built on the flood plains also submerge the existing vegetation and soil leading to its decomposition over time.

**Q.3. Answer the following question briefly.  
What is an ecosystem?**

### SOLUTION

All plants, animals and human beings depend on their immediate surroundings. They are also interdependent on each other. This relation between the living organisms as well as the relation between the organism and their surroundings form an ecosystem.

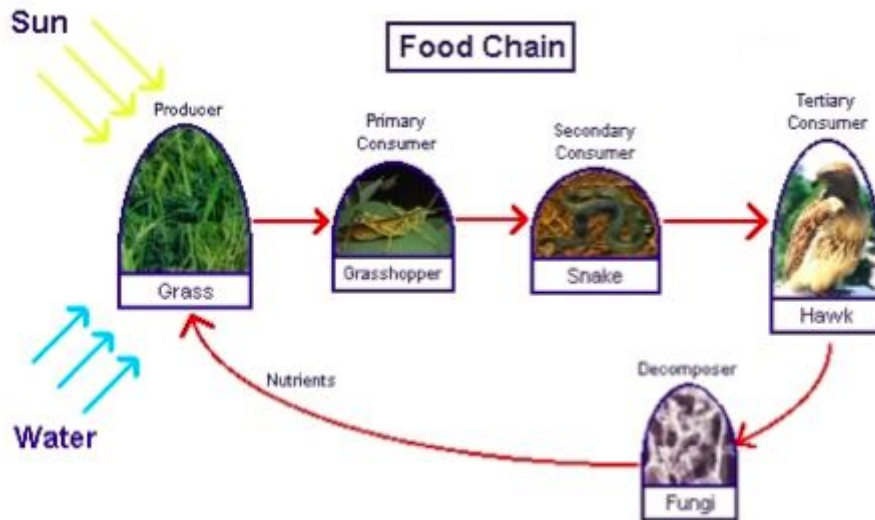
**Q.4. What is true of ecosystem?**

- A producers are more than primary consumers
- B secondary consumers are the largest and most powerful.
- C both a and b
- D none of the above

### SOLUTION

Plants are called **producers** because they are able to use light energy from the sun to produce food (sugar) from carbon dioxide and water. Animals cannot make their own food so they must eat plants and/or other animals. They are called **consumers**. -

**Primary consumers** are animals that eat **primary producers**; they are also called herbivores (plant-eaters). **Secondary consumers** eat **primary consumers**. They are carnivores (meat-eaters) and omnivores (animals that eat both animals and plants).



**Q.5. Activity.**

Imagine an ideal environment where you would love to live. Draw the picture of your ideal environment.

**SOLUTION**

Students are expected to do this activity themselves.

**Q.6. Substances which break into simpler substances in course of time are \_\_\_\_\_.**

- A Biological substances
- B Biodegradable substances
- C Non-biodegradable substances
- D Pro-magnifying substances



#### **SOLUTION**

One suitable definition of organic matter is biological material in the process of decaying or decomposing, such as humus.

A closer look at the biological material in the process of decaying reveals so-called organic compounds (biological molecules) in the process of breaking up (disintegrating).

The main processes by which soil molecules disintegrate are by bacterial or fungal enzymatic catalysis.

If bacteria or fungi were not present on Earth, the process of decomposition would have proceeded much slower.

**Q.7. Answer the following question briefly.  
What do you mean by natural environment?**

#### **SOLUTION**

The natural environment consists of land, water, air, plants, and animals. Thus, natural environment refers to both biotic (plants and animals) and abiotic (land) conditions that exist on the earth.

**Q.8. What role do insects play in the ecosystem?**

#### **SOLUTION**

Many insects help in pollination of crops and fruit trees and exert biological control on such insects, which are harmful.

**Q.9. Tick the correct answer.  
Which is not a component of human environment?  
This question has multiple correct options**

**A** Land

**B** Religion

**C** Community

**D** None of the above

**SOLUTION**

Religion and community is not a component of human environment.

**Q.10. Tick the correct answer.**

**Which is not a natural ecosystem?**

**A** Desert

**B** Aquarium

**C** Forest

**D** None of the above

**SOLUTION**

An ecosystem is a system formed by the interaction of all living organisms with each other and with the physical and chemical factors of the environment in which they live, all linked by transfer of energy and material.