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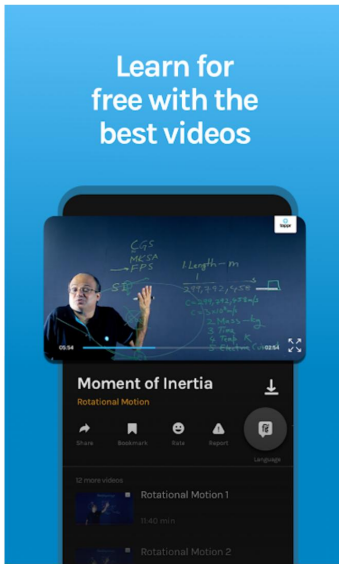
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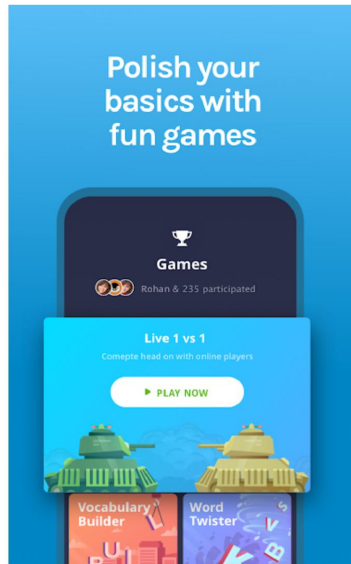


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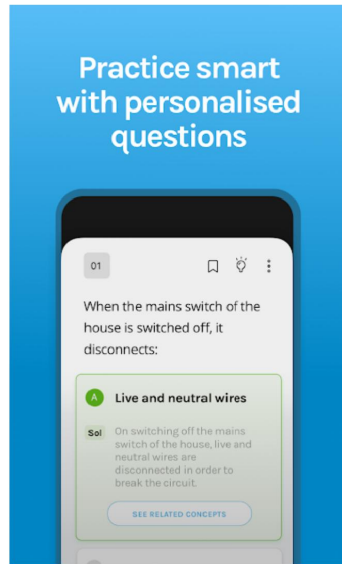
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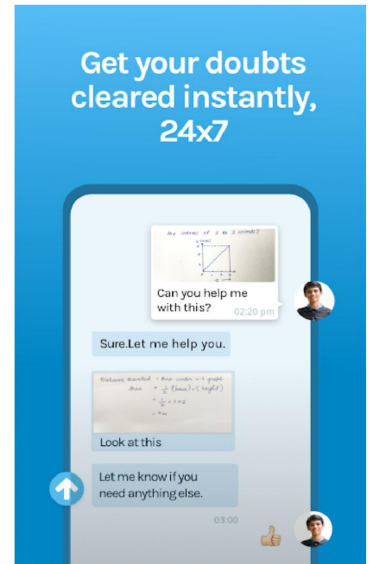
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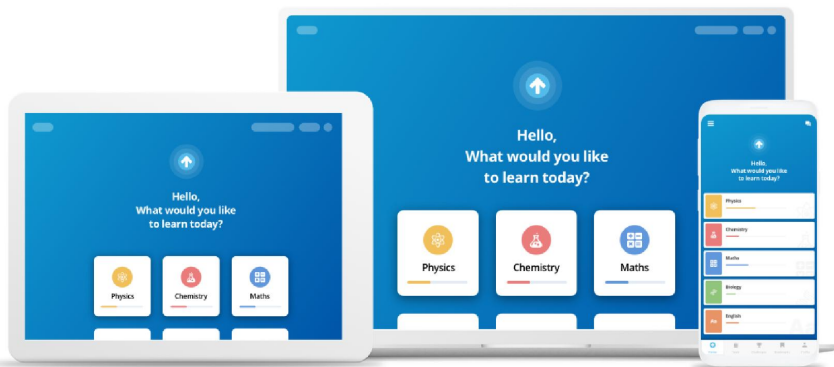
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**Q.1. Answer the following questions briefly.
Name the different layers of atmosphere.**

SOLUTION

Troposphere, Stratosphere, Mesosphere, Thermosphere and Exosphere.

**Q.2. Very Short Answer Type Question.
How is atmosphere important for us?**

SOLUTION

Atmosphere protects us from the harmful rays and scorching heat of the sun.

**Q.3. Very Short Answer Type Questions:
How is nitrogen a significant gas?**

SOLUTION

Nitrogen helps in the growth of living organisms.

**Q.4. Answer the following question very shortly.
What is weather?**

SOLUTION

Weather is hour-to-hour, day-to-day condition of the atmosphere.

**Q.5. Short Answer Type Questions:
What is atmosphere? Write about its different layers.**

SOLUTION

An atmosphere is a layer or a set of layers of gases surrounding a planet or other material body, that is held in place by the gravity of that body. An atmosphere is more likely to be retained if the gravity it is subject to is high and the temperature of the atmosphere is low.

The different layers of the atmosphere. The atmosphere can be divided into layers based on its temperature. These layers are the troposphere, the stratosphere, the mesosphere and the thermosphere. A further region, beginning about 500 km above the Earth's surface, is called the exosphere.

Q.6. State whether these sentences are true (T) or false (F).

Carbon dioxide is an important constituents of air.

A True

B False

SOLUTION

True,
Carbon dioxide is a colorless and non-flammable gas at normal temperature and pressure. Although much less abundant than nitrogen and oxygen in Earth's atmosphere, carbon dioxide is an important constituent of our planet's air. A molecule of carbon dioxide (CO₂) is made up of one carbon atom and two oxygen atoms.

Q.7. Very Short Answer Type Questions:

What is the function of carbon dioxide?

SOLUTION

Carbon dioxide absorbs the heat radiated by the earth and thus keeps the planet warm.

Q.8. Very Short Answer Type Questions:

Mention any two reasons of air pollution

SOLUTION

- (i) Air emitted from industries
- (ii) Air emitted from vehicles

Q.9. State whether these sentences are true (T) or false (F).

The atmosphere is composed mainly of nitrogen and oxygen.

A True

B False

SOLUTION

True,

The atmosphere of Earth is composed of nitrogen (about 78%), oxygen (about 21%), argon (about 0.9%), carbon dioxide (0.04%) and other gases in trace amounts. The term stellar atmosphere describes the outer region of a star and typically includes the portion above the opaque photosphere.

Q.10. What is atmosphere?

SOLUTION

Atmosphere is a thin blanket of air that surrounds the earth, It protects us from the harmful rays of the sun. It consists of several gases in which nitrogen and oxygen occupy the major portion.