

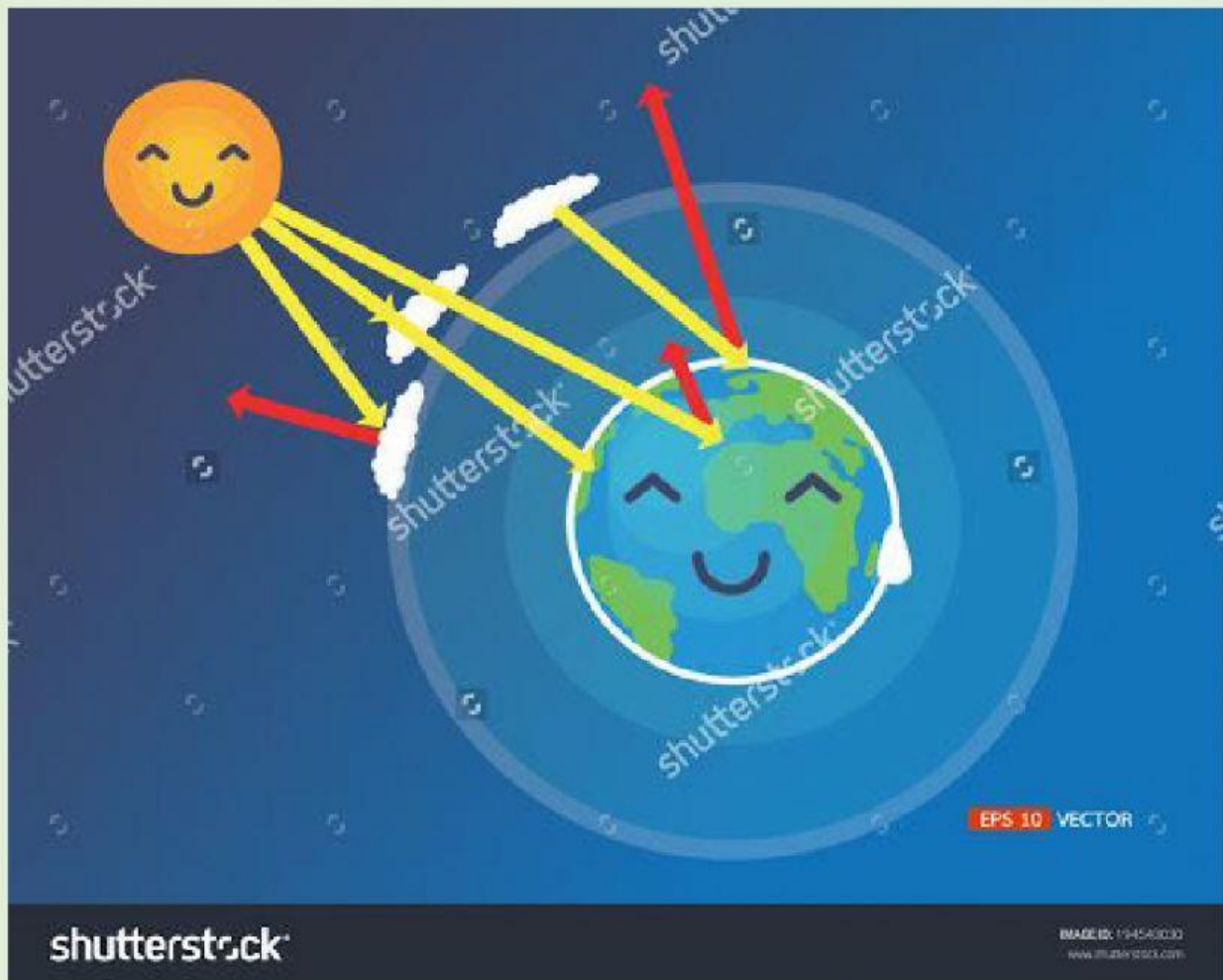


## SCIENCE

### CHAPTER 9-WEATHER AND CLIMATE

### LESSON 1- AIR AND WEATHER

### PART 1



**Created by- Nisha Tanwar**

## WHAT IS IN THE AIR?

- ❖ The atmosphere is a blanket of air that surround Earth
- ❖ The atmosphere is made up of gases -Oxygen and nitrogen
- ❖ The atmosphere allows living things to survive on Earth
- ❖ The air in Earth's atmosphere is made up of approximately 78 percent nitrogen and 21 percent oxygen.
- ❖ Air also has small amounts of lots of other gases, too, such as carbon dioxide, neon, and hydrogen

WATCH VIDEO ABOUT COMPOSITION OF AIR



# LAYERS OF ATMOSPHERE

Four layers of atmosphere→

- ❖ TROPOSPHERE
- ❖ STRATOSPHERE
- ❖ MESOSPHERE
- ❖ THERMOSPHERE

## TROPOSPHERE→

- ✓ It is the layer closest to Earth's surface
- ✓ The troposphere is very thin.
- ✓ The troposphere is also where all of Earth's weather takes place.
- ✓ Here the air is always on the move.
- ✓ Air that moves from place to place is called wind. Wind can be as gentle as a light breeze.

## FOUR LAYERS OF ATMOSPHERE





## CODE TO REMEMBER LAYERS OF ATMOSPHERE



### PRACTICE QUESTIONS:

1. Which layer of the atmosphere is thickest?

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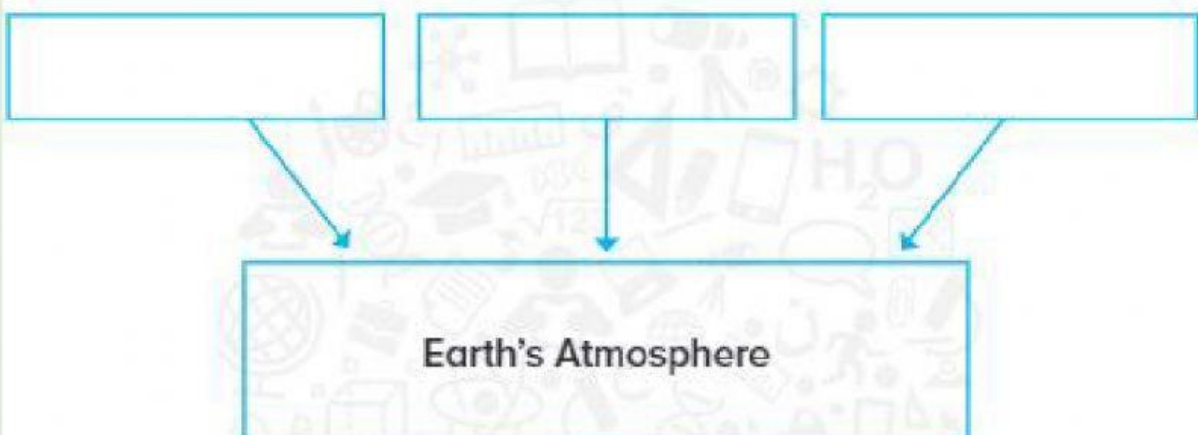
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TYPE YOUR ANSWER

2.

**Summarize** What gases make up Earth's atmosphere?



**3.**

**Test Prep** In which layer of the atmosphere do we experience weather?

- A** thermosphere
- B** mesosphere
- C** stratosphere
- D** troposphere

**4.**

In which layer of the atmosphere do organisms live?

- A** thermosphere
- B** mesosphere
- C** stratosphere
- D** troposphere

**5. Blanket of air surrounding the earth is called\_\_\_\_\_**