

NAME: _____ DATE: _____

SUBJECT: SOCIAL STUDIES

TOPIC: THE ATMOSPHERE PROTECTS US

The atmosphere is a blanket of air that covers the Earth. There are layers of the atmosphere, they are the **troposphere**, **stratosphere**, **mesosphere**, **thermosphere**, and **exosphere**.

INSTRUCTIONS: Match the gas in **COLUMN A** with the correct percentage found in the atmosphere in **COLUMN A**.

SECTION A:

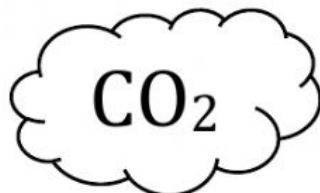
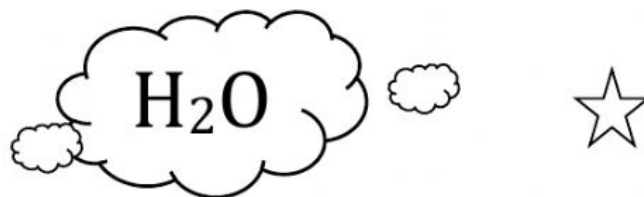
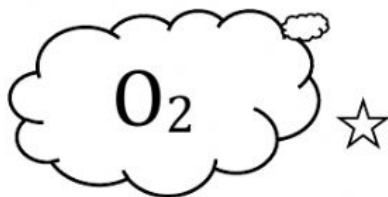
MATCHING

COLUMN A

COLUMN B

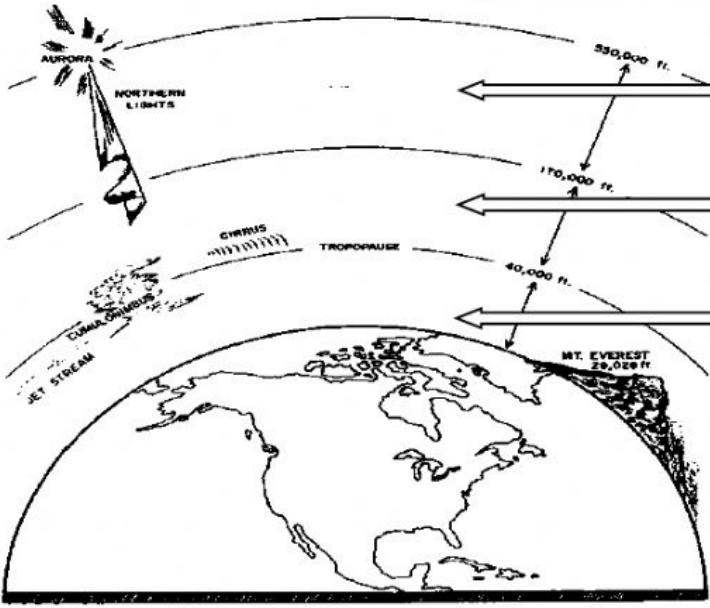
- _____ i. Oxygen
- _____ ii. Water Vapor
- _____ iii. Nitrogen
- _____ iv. Carbon Dioxide

- A. 78%
- B. 0.4%
- C. 21%
- D. 50%
- E. 0.6%



SECTION B: LABELING

INSTRUCTIONS: Choose the correct name for each layer of the atmosphere. Type the name correctly on the lines below.



The diagram shows a cross-section of the Earth's atmosphere. From the surface up, the layers are labeled: TROPOSPHERE, STRATOSPHERE, and THERMOSPHERE. The TROPOPAUSE is marked between the troposphere and stratosphere. The EXOSPHERE is shown as the outermost layer. Key features and altitudes are indicated: MT. EVEREST (29,029 ft) is on the surface; 40,000 ft. is in the troposphere; 110,000 ft. is at the tropopause; 550,000 ft. is in the stratosphere. Other features include CUMULONIMBUS clouds, JET STREAM, and AURORA/NORTHERN LIGHTS in the thermosphere.

4. _____

3. _____

2. _____

1. _____

WORD BANK

Thermosphere Stratosphere

Troposphere Mesosphere

Exosphere

In which layer of the atmosphere will you find...?

a) space station/satelites _____

b) the ozone layer O_3 _____

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