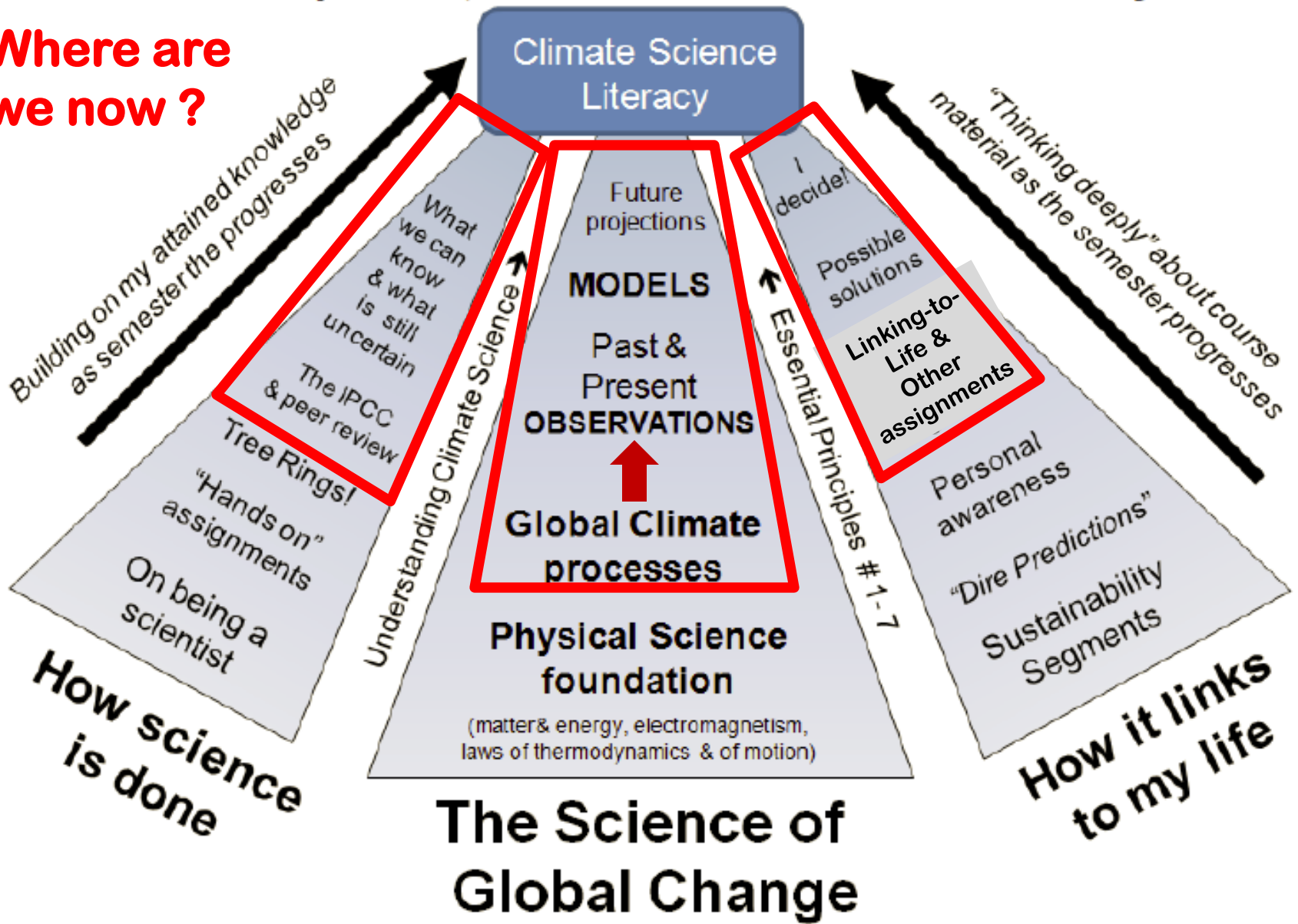


# GOAL: Enhanced Understanding Of Global Change Science, How It Operates, & What It Means To Me Personally

Where are we now ?



# You are almost done!

(3 weeks of class remaining!)

TOTAL REMAINING POINTS TO EARN = 200

## TESTS

1 RQ: **RQ-9** (5 pts)

1 Test: **Test #4** (25 pts)  
&  
**the Final Exam** (105 pts)

### GROUP ASSIGNMENTS (In-Class Activities)



**G-1 Understanding Absorption Curves**  
*[completed]*



**G-2 Tree Rings -Part I Wood Kits**  
*[completed]*



**G-3 Tree-Rings - Part II The Amazing Bristlecone Pine Activity**  
*[completed]*



**G-4 Applying the Energy Balance Terms**  
*[completed]*



**G-5 Volcanism & Climate**  
*[completed]*



**G-6 Climate Action Debate Participation** (5 pts)

### INDIVIDUAL ASSIGNMENTS (Short Writing Assignments)



**I-1 Climate Science Basics**  
Lesson 1 CO<sub>2</sub> & the GH Effect  
*[past due]*



**I-2 Climate Science Basics**  
Lesson 2 Mother Nature's Influence  
*[past due]*



**I-3 Climate Science Basics**  
Lesson 3 Observable Changes  
*[past due]*



**I-4 Climate Science Basics** (10 pts)  
Lesson 4 Intro to Climate Modeling  
*Due in dropbox Monday Nov 19*



**I-5 Class "Climate Action Debate" Preparation** (15 pts)  
*Due in dropbox Friday Nov 30*

### LINKING-TO-LIFE PROJECT (Individual Term Project in 4 Parts)

#### OVERVIEW OF THE TERM PROJECT



**Part A Your Ecological Footprint**  
*past due*



**Part B Thinking More Deeply**  
*past due*



**Part C Film Review Discussion Posts**  
*past due*



**Part D Final Project Report** (35 pts)

A few wrap-up questions  
to start. . . .

**CLICKER TIME!!**

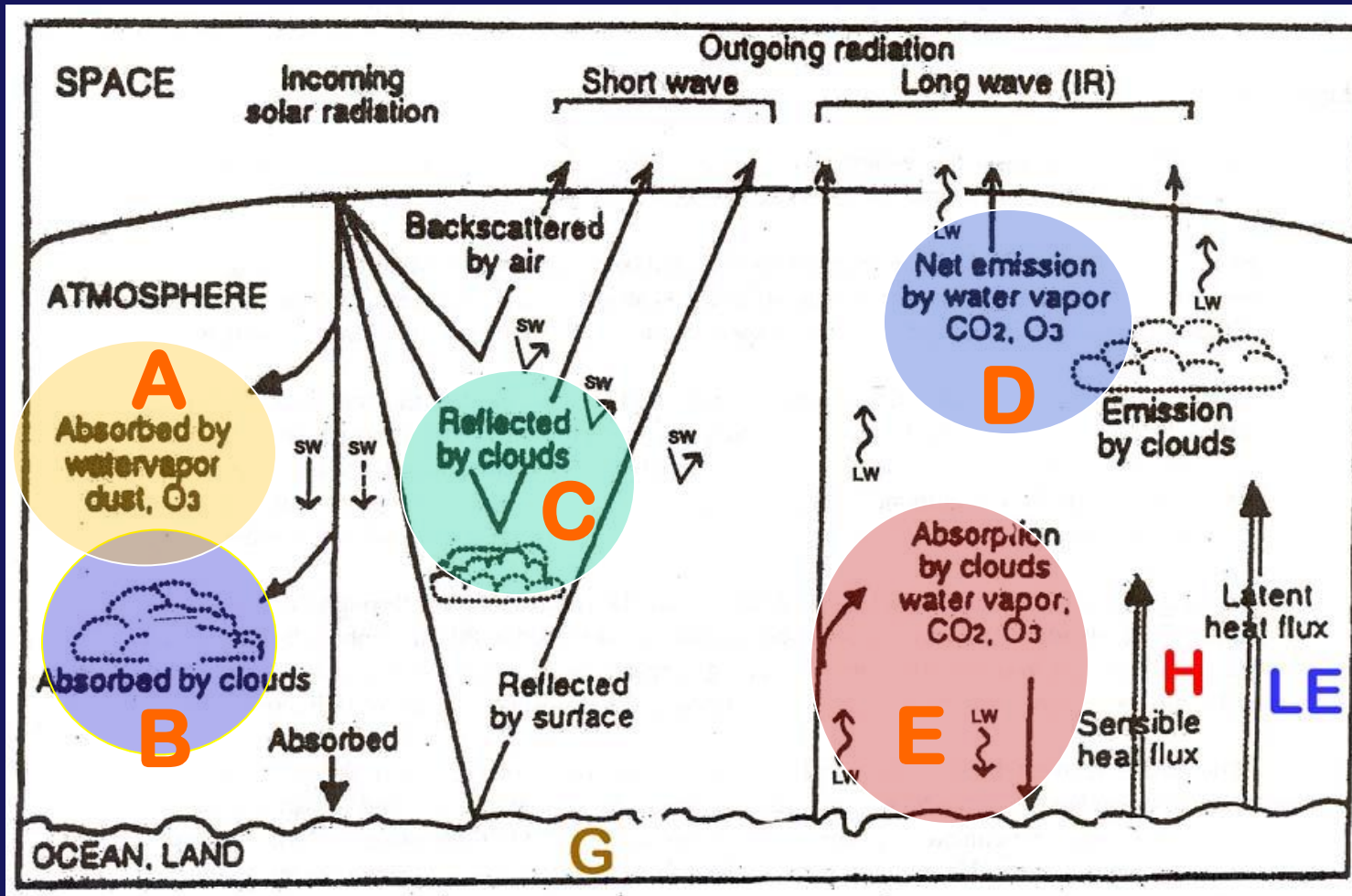
**FLIP BACK TO**

**p 54 in CLASS NOTES**

Tying things together in terms  
of the Energy Balance

# Q1. In which part of the energy balance does the main activity related to STRATOSPHERIC OZONE DEPLETION take place?

A B C D E G



# Q1. In which part of the energy balance does the main activity related to STRATOSPHERIC OZONE DEPLETION take place?

A

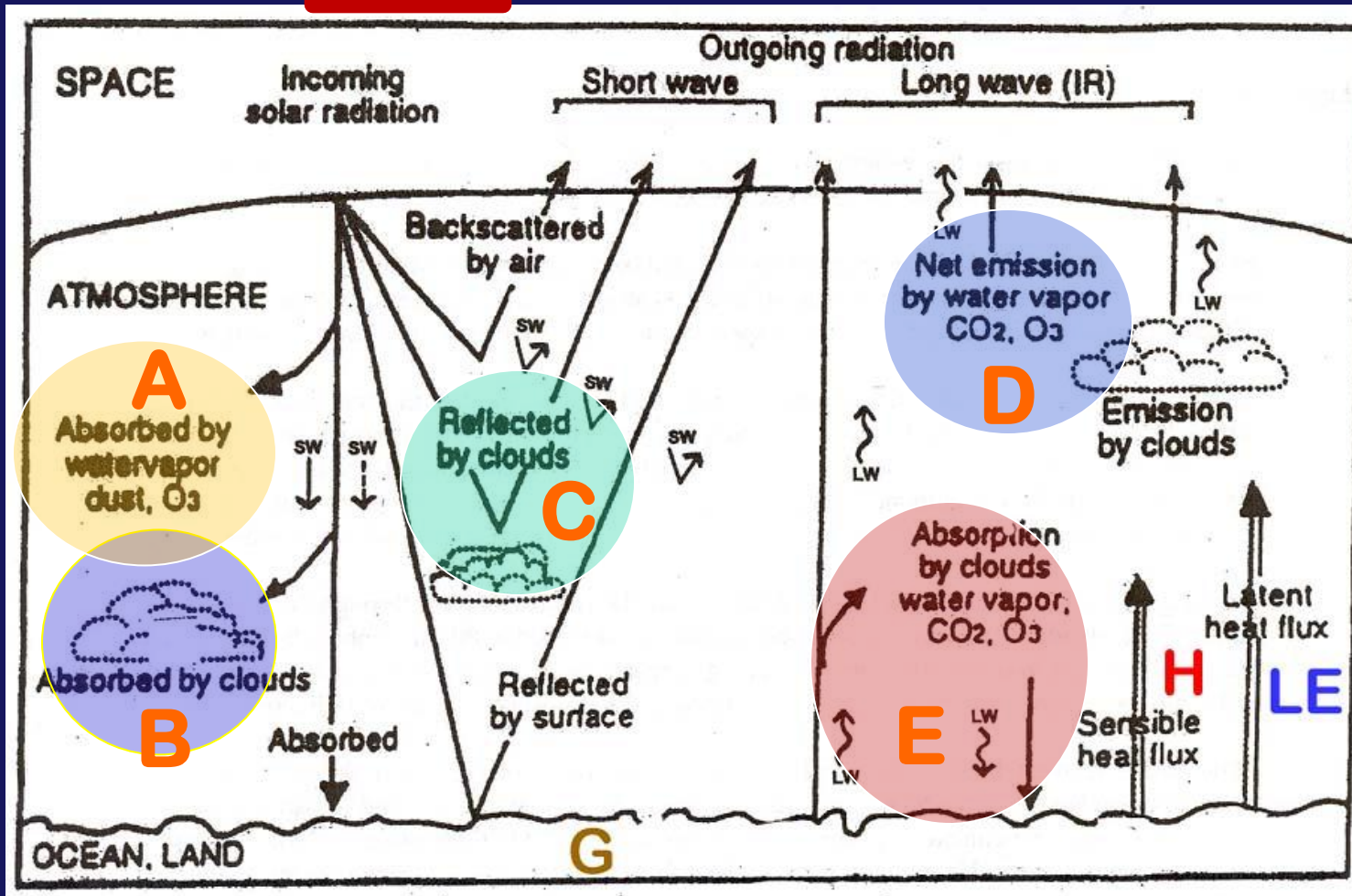
B

C

D

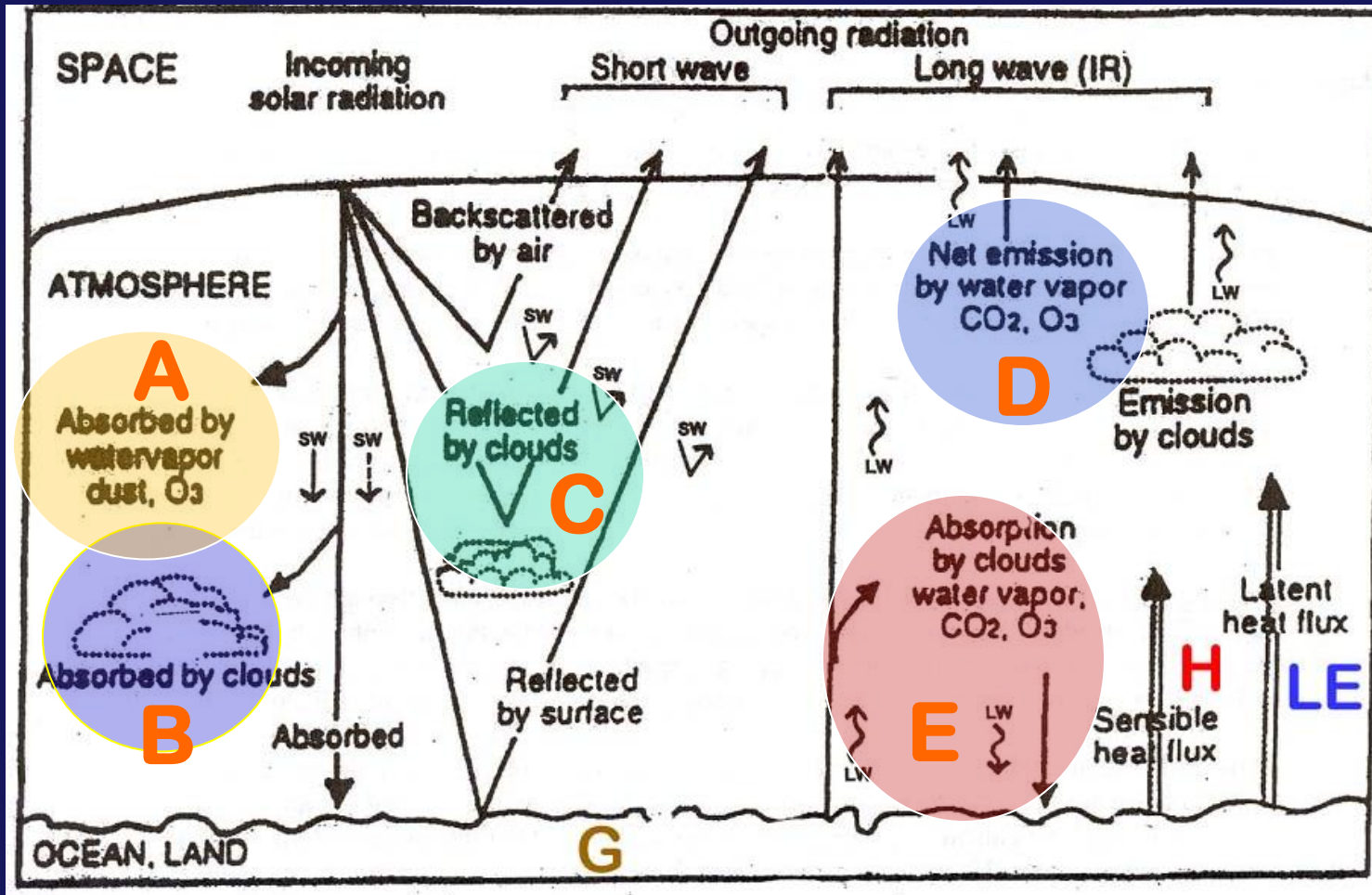
E

G



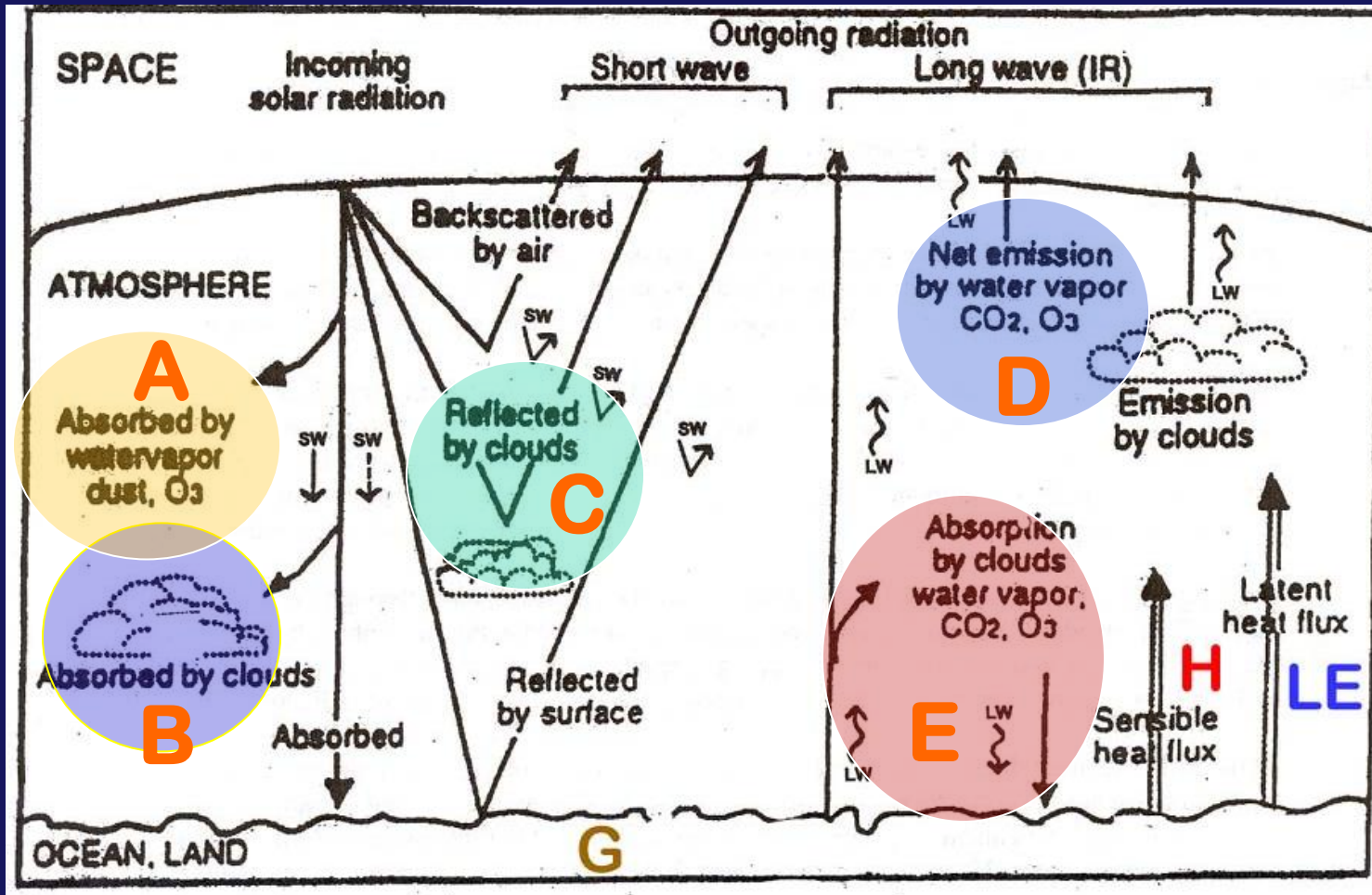
**Q2. In which part of the energy balance does the activity related to GLOBAL WARMING from the enhanced GHE take place?**

**A B C D E G H**



Q2. In which part of the energy balance does the activity related to GLOBAL WARMING from the enhanced GHE take place?

A B C D **E** G H



### Q3 – Which is the correct statement:

- 1 The depletion of STRATOSPHERIC OZONE in the Ozone Hole is a critically important CAUSE of increased GLOBAL WARMING in the troposphere.
- 2 Increased GLOBAL WARMING in the troposphere is a critically important CAUSE of STRATOSPHERIC COOLING which could prolong or worsen the OZONE HOLE
- 3 Neither



### Q3 – Which is the correct statement:

~~1 The depletion of STRATOSPHERIC OZONE in the Ozone Hole is a critically important CAUSE of increased GLOBAL WARMING in the troposphere.~~

2 Increased GLOBAL WARMING in the troposphere is a critically important CAUSE of STRATOSPHERIC COOLING which could prolong or worsen the OZONE HOLE

3 Neither

**Q4. Is this explanation of the main CAUSE of GLOBAL WARMING correct?**



1- YES

2- NO

**Q4. Is this explanation of the main CAUSE of GLOBAL WARMING correct?**



1- YES

2- NO