



# SCIENCE QUIZ

## 8th Grade – IV Partial



Student's Name: \_\_\_\_\_

Teacher's Name: Mr. Gutierrez Score: \_\_\_\_\_

School Year: 2020 – 2021 Points: **20%**

Topics: Heat and the Atmosphere, Patterns of Circulation and weather.

Date: \_\_\_\_\_

Teacher Comment:

### PART I. TRUE OR FALSE

4 pts. (1 pt. each)

**Instructions:** Write in the parenthesis a **T** if the statement is true and an **F** if it is false. **If the answer is false, justify your answer by filling in the blank.**

1. Earth's atmosphere is seething with energy.....
2. The atmosphere obtains heat from the solar energy that reaches the earth .....
3. The Length of daytime is another factor that affects insolation.....
4. The most important greenhouse is water vapor.....

### PART II. MATCHING

4 pts. (1 pt. each)

**Instructions:** Match the word from Column A that best matches each statement in column B.

#### COLUMN A

1. Coriolis effect
2. Greenhouse effect
3. Weather
4. Radiation

#### COLUMN B

- Is the transfer of heat by electromagnetic waves.
- The process of trapping heat in the earth's atmosphere is called.
- May be explained by the combination of two factors.
- The state of the atmosphere at certain time and place is the.

### PART III. LISTING

7 pts. (1pt. each)

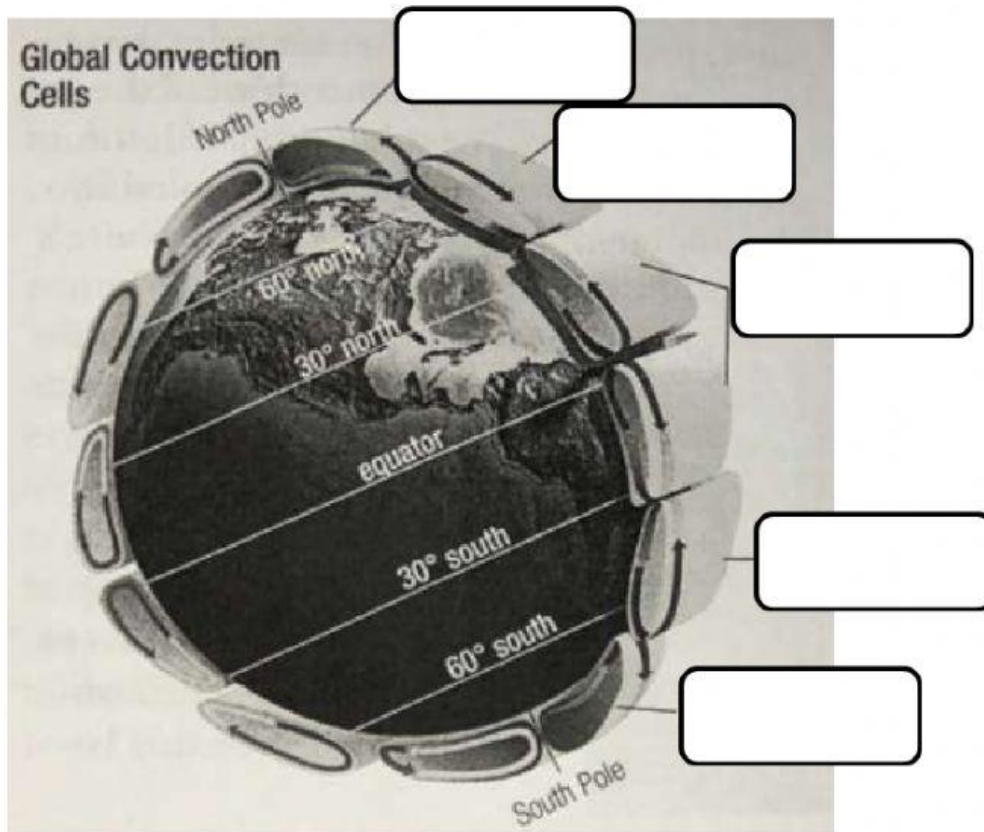
**Instructions:** answer each statement writing in the line the information needed.

1. Write 3 major factors that work together to cause the earth's variable weather. **(2 pts.)**  
a) \_\_\_\_\_ c) \_\_\_\_\_  
b) \_\_\_\_\_
2. Write 2 Coastal breezes. **(2 pts.)**  
a) \_\_\_\_\_ c) \_\_\_\_\_
3. Write 3 states of water. **(3 pts.)**  
a) \_\_\_\_\_ c) \_\_\_\_\_  
b) \_\_\_\_\_

**PART V. PRACTICE**

**5 pts. (1 pt. each)**

**Instructions:** Complete the diagram writing each global convection cell.



*"Work hard, Dream Big, and Never give up"*

**Mr. Gutierrez**