

TEST NAME: Science 7 Unit 1: 1F (COPY) Cycle 2
TEST ID: 2657334
GRADE: 07 - Seventh Grade
SUBJECT: Life and Physical Sciences
TEST CATEGORY: School Assessment

Student: _____

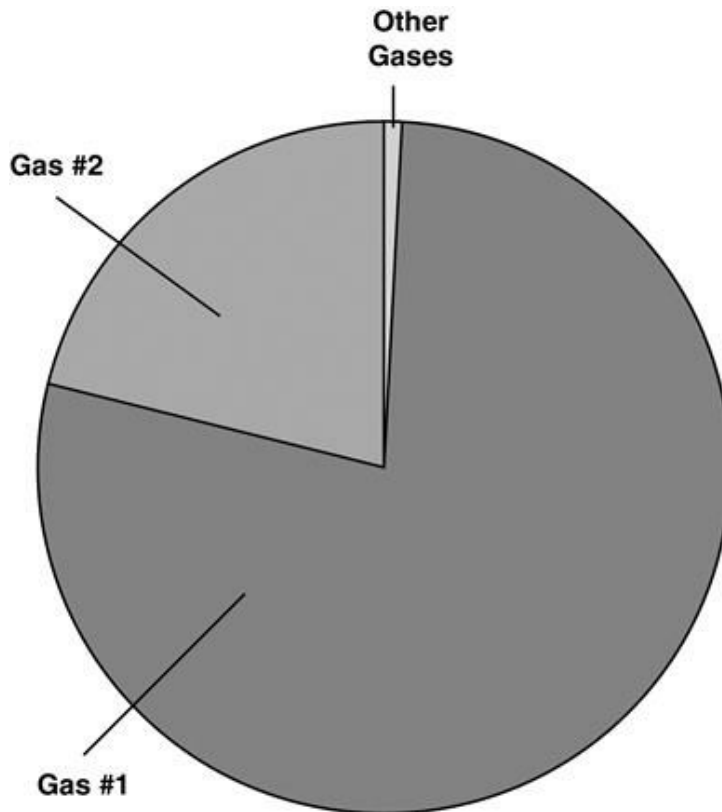
Class: _____

Date: _____

1. **What instrument should be used to monitor atmospheric pressure changes as a weather system approaches?**
 - A. psychrometer
 - B. thermometer
 - C. anemometer
 - D. barometer

2. **Atmospheric greenhouse gases help heat the atmosphere by**
 - A. increasing the amount of solar radiation reaching Earth.
 - B. storing energy produced by human activity.
 - C. absorbing infrared radiation released by Earth.
 - D. increasing the average density of air.

3. This circle graph shows the percentages of different gases in Earth's atmosphere.



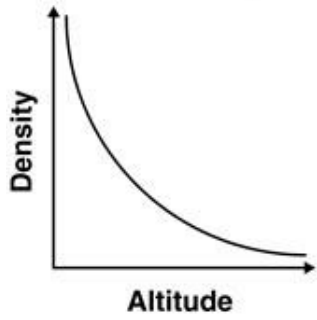
Which gas is represented by Gas #1?

- A. carbon dioxide
 - B. hydrogen
 - C. nitrogen
 - D. oxygen
4. Which BEST explains why air temperatures near mountaintops are often much colder than air temperatures near sea level?
- A. Large amounts of snowfall decrease the temperature.
 - B. Air near mountaintops is less dense.
 - C. Strong winds near mountaintops decrease temperatures.
 - D. The lack of vegetation at sea level allows the ground to absorb more heat.
5. Which of these gases, on average, has the lowest volume in the atmosphere of Earth?
- A. oxygen
 - B. nitrogen
 - C. water vapor
 - D. carbon dioxide

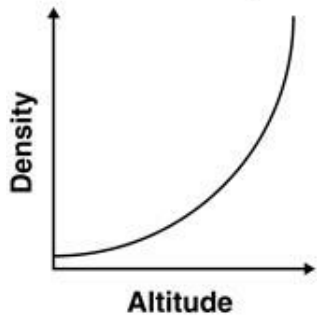
6. Which of these statements **BEST** describes temperature as elevation in the atmosphere increases?
- A. Temperature remains constant with elevation in the thermosphere.
 - B. Temperature remains constant with elevation in the mesosphere.
 - C. Temperature generally decreases with elevation in the stratosphere.
 - D. Temperature generally decreases with elevation in the troposphere.

7. Which graph BEST illustrates the change in density in the lowest layer of Earth's atmosphere as altitude increases?

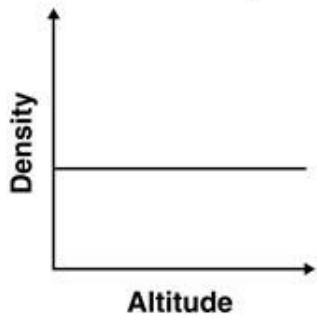
A. **Earth's Atmosphere**



B. **Earth's Atmosphere**



C. **Earth's Atmosphere**



D. **Earth's Atmosphere**

