**Weekly Warm-Ups - September 11-22**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_       Core:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer the Daily Warm-Up Questions.

|  |
| --- |
| **Monday, 9/11** - How are the layers of the Earth’s atmosphere classified?  |
| **Tuesday, 9/12** - Match the layers with their objects.\_\_\_ 1. Exosphere                                                           A. airplanes, people, & weather\_\_\_ 2. Ionosphere                                                         B. ozone layer\_\_\_ 3. Mesosphere                                                       C. meteors & coldest layer\_\_\_ 4. Stratosphere                                                      D. hottest layer\_\_\_ 5. Thermosphere                                                   E. Aurora Borealis \_\_\_ 6. Troposphere                                                       F. space ships, satellites, space station & space |
| **Wednesday, 9/13**This gas makes of 78% of the atmosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_This gas makes up 21% of the atmosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_This makes up about 1% of the atmosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Thursday, 9/14** - Complete the chart below with the name of each layer in order of altitude and increasing or decreasing for the trends.

|  |  |  |  |
| --- | --- | --- | --- |
| Layer of the Atmosphere | Temperature Trend | Air Pressure Trend | Density of Air Trend |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

 |
| **Friday, 9/15** - Why does the troposphere experience the greatest amount of atmospheric pressure compared to the other atmospheric layers?A. It produces the ozone layer.B. It has the highest temperatures.C. It contains a high concentration of gas particles.D. It is the region in which weather occurs. |
| **Monday, 9/18** - This chart shows the relationship between temperature and altitude within eachlayer of Earth’s atmosphere.**Temperature and Altitude within Earth’s Atmospheric Layers**

|  |  |  |
| --- | --- | --- |
| **Atmospheric Layer** | **Temperature****at****Low Altitude** | **Temperature****at****High Altitude** |
| Troposphere | 62°F | -60°F |
| Stratosphere | -60°F | 5°F |
| Mesosphere | 5°F | -184°F |
| Thermosphere | -184°F | 3,600°F |

Which comparison between layers of the atmosphere is accurate?A. Temperature increases at high altitude in the troposphere because, unlike the other layers, it contains the ozone layer.B. Temperature decreases at high altitude in the stratosphere because, unlike the other layers, it contains the ionosphere.C. Temperature decreases at high altitude in the mesosphere because, unlike the other layers, it contains the ozone layer.D. Temperature increases at high altitude in the thermosphere because, unlike the other layers, it contains the ionosphere. |
| **Tuesday, 9/19** - Identify three dramatic events that can cause sudden changes to the Earth’s atmosphere  and describe the effects.                                                                    |
| **Wednesday, 9/20** - Explain the saying, “Ozone good up high, bad nearby”. |
| **Thursday, 9/21  - No School** |
| **Friday, 9/22** - Login Google Classroom to complete the Warm Up Quiz.  |

\*If you are absent, check the team website to complete the warm up question.