Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Daily Warm-Ups February 27 thru March 3rd**

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| **Monday, February 27, 2017** |
| 1. The driving force behind weather is the \_\_\_\_\_\_\_\_.  http://raanz.org.nz/wiki/uploads/TM/tmfig095.png  2. The diagram to the left is a \_\_\_\_\_\_\_\_\_ breeze. Complete the diagram by labeling where the High and Low pressures are.  3. Hurricanes get their strength from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and lose their strength when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  4. Thuderstorms and rain usually accompany a \_\_\_\_\_\_\_\_\_\_\_ front. When this occurs the air pressure is \_\_\_\_\_\_\_\_\_. Once the front passes the temperature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the air pressure is \_\_\_\_\_\_\_\_\_ resulting in clear skies. |
| **Tuesday, February 28, 2017** |
| 5. In a neutral calcium atom, there are 20 protons, 20 neutrons, and 20 electrons. If a calcium atom loses 2 electrons, what will be the calcium atom’s charge? \_\_\_\_\_\_\_\_\_\_\_\_  6. Based on information provided in the Periodic table, which statement correctly describes the reactivity of elements?  A. Silicon is more reactive than aluminum and has properties similar to phosphorus.  B. Calcium is more reactive than arsenic and has properties similar radium.  C. Xenon is nonreactive and has properties similar to iodine.  D. Cesium is nonreactive and has properties similar francium.  7. If a 50-kilogram student is pushed in a rolling chair with a force of 20N, what is the student’s acceleration?  A. 2.5m/s2 B. 1,000 m/s2 C. 4.0m/s2 D. 0.40m/s2 |
| **Wednesday, March 1, 2017** |
| 8. Which Model would represent Newton’s law of action-reaction?  A. Toy car rolling down a ramp  B. Toy rocket being launched  C. Toy boat floating in the water  D. Toy tractor being pushed over a hill.  9. Which component of a star determines its life cycle?  A. color B. Mass C. Temperature D. Luminosity |
| **Thursday, March 2, 2017** |
| 10. A group of students cut pieces of foam shaped like continents and float them in a container of water. The students use a straw to create currents in the water and observe as the continents move apart from one another. What theory have the students modeled? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  11. Seafloor spreading causes the continents of South America and Africa to move farther apart each year. What type of plate boundary causes crustal features? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  12. Science students observe the interaction of crickets and ants outside the school. Ants surround, cover, and eat crickets. What relationship exists between ants and crickets? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  13. Hawks are predators to small organisms such as snakes, rabbits, and mice. What is a possible result of adding a hawk to this ecosystem?  A. The rabbit population will increase  B. The grass population will increase.  C. The cougar population will increase.  D. The snake population will increase. |
| **Friday, March 3, 2017** |
| 14. Which car is moving the fastest? \_\_\_\_\_\_\_\_\_\_  16. What is the speed of the car “C” at 60 km? \_\_\_\_\_\_\_\_\_\_\_  17. Which car traveled an average speed of 20 km/hr? \_\_\_\_\_\_\_\_  18. What is the average speed of Car “D”? \_\_\_\_\_\_\_\_\_\_\_\_  19. Which car traveled the shortest distance in 4 hours? \_\_\_\_\_\_\_\_  20. What is the formula for speed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |