

Name \_\_\_\_\_ Period \_\_\_\_\_ Daily Warm-Ups

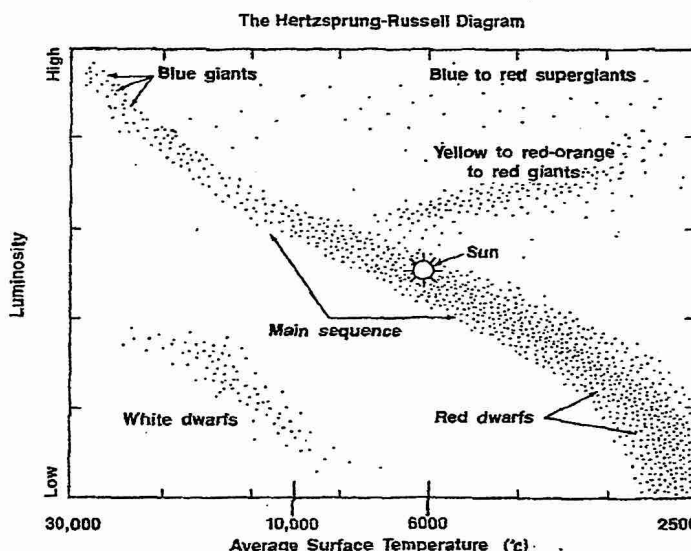
February 6<sup>th</sup> through February 10<sup>th</sup>

Monday, February 6, 2017

1. A person is pulling west with 35 N of force against a person pulling east with 15 N of force. What is the net force? **Show your work.**
2. Which of Newton's Three Law does the following example illustrate? The blood in your head rushes to your feet when riding on an elevator this is descending and abruptly stops. \_\_\_\_\_
3. Which of Newton's three laws does the following example illustrate? If you have a hockey puck sliding along a table, it will eventually come to a stop. \_\_\_\_\_

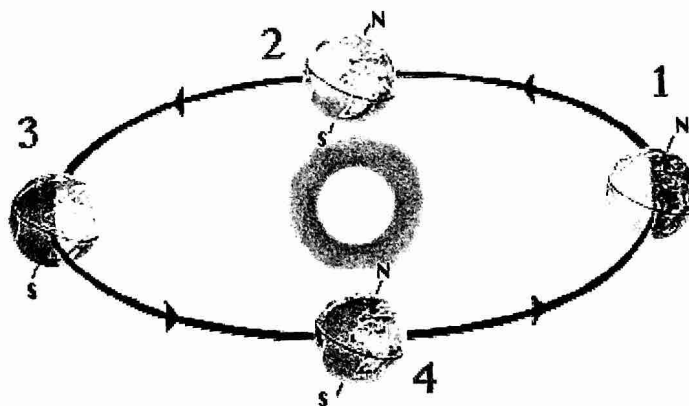
Tuesday, February 7, 2017

4. What is the approximate surface temperature of the sun? \_\_\_\_\_
5. Would the temperature of the white dwarf stars be higher or lower than that of the red super giants? \_\_\_\_\_
6. Compare the luminosity and temperature of the red dwarfs to the white dwarfs. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Wednesday, February 8, 2017

7. What season is the S. Hemisphere experiencing at position 2? \_\_\_\_\_
8. The N. Hemisphere is experiencing Fall between positions \_\_\_\_\_ & \_\_\_\_\_.
9. The N. Hemisphere is experiencing summer at position \_\_\_\_\_.



10. What position is the S. Hemisphere experiencing at position 1? \_\_\_\_\_

**Thursday, February 9, 2017**

11. Why do massive stars have shorter lifespans than average stars?

\_\_\_\_\_

12. At the end of its life cycle the Sun will end up as a(n) \_\_\_\_\_.

13. Why do stars shine? \_\_\_\_\_

14. Draw a diagram that traces the lifecycle of our Sun.

**Friday, February 10, 2017**

15. Compared to metals, nonmetals are: \_\_\_\_

- A. more brittle as a solid.
- B. better electrical conductors.
- C. more ductile as a solid.
- D. better conductors of heat

16. Isotopes are atoms of an element with identical chemical properties but a different \_\_\_\_\_.

17. Which of the following belongs to the alkali metal family of elements?

- A. Sodium
- B. calcium
- C. chlorine
- D. Neon

18. Elements that belong to the same period have what in common?

\_\_\_\_\_

19. Elements that belong to the same group have what in common?

\_\_\_\_\_

20. Do you think that you are prepared for the upcoming Science STAAR? Why or why not? \_\_\_\_\_