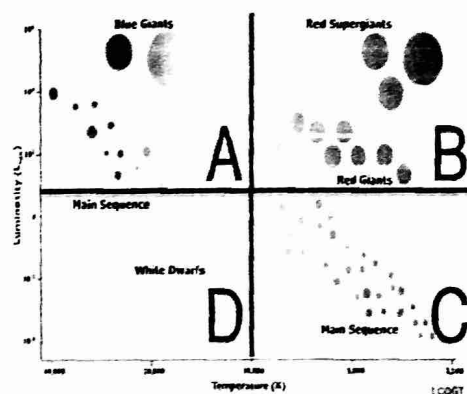


February 13, 2017 through February 17, 2017

Monday, February 13, 2017

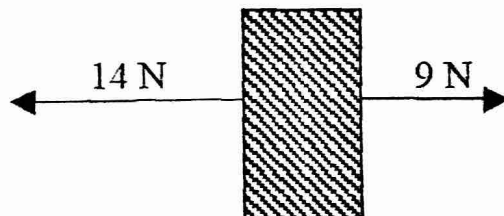
1. What is the difference between absolute magnitude and apparent magnitude?
Answer in complete sentences.

2. In which quadrant will you find the coolest and brightest stars? _____
3. In which quadrant will the Sun be located? _____
4. In which quadrant will you find the hottest and brightest stars? _____
5. In which quadrant will you find the hottest and dimmest stars? _____



Tuesday, February 14, 2017

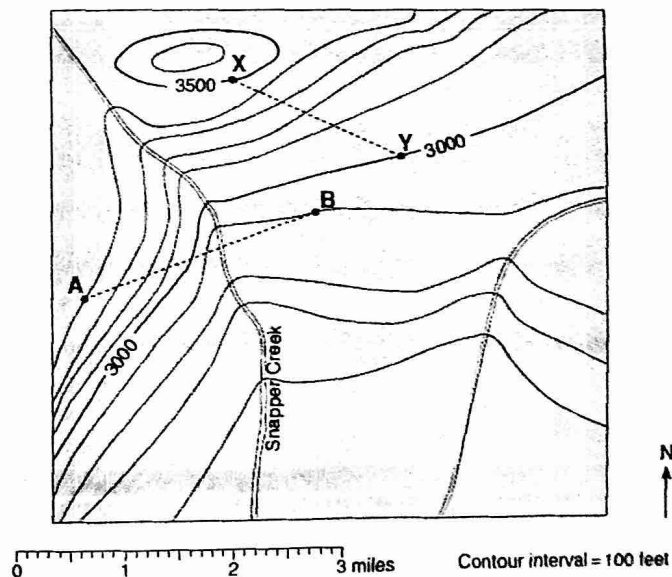
6. Net force = _____
7. Draw the net force arrow below the diagram.
8. The forces are: balanced/unbalanced
9. The object will: accelerate/not accelerate



Wednesday February 15, 2017

10. What is the elevation at point A?

11. If you walked from point A to point B along line A-B, would you be walking downhill or uphill, or both? _____
12. What is the elevation of the highest point shown on this map? _____
13. If you walked from point X to point Y along line X-Y, would you be walking downhill or uphill, or both? In what direction would you be walking? _____



Thursday, February 16, 2017

14. Grid in the number of neutrons an atom has if it has an atomic number of 12, 13 electrons and an atomic mass of 25.

15. Which of the following best describes an electron?

- A. It has no charge and about the same mass as a proton.
- B. It has a negative charge and much less mass than a proton.
- C. It has a positive charge and much more mass than a neutron.
- D. It has a negative charge and about the same mass as a neutron.

16. An atom has 25 protons, 30 neutrons, and 25 electrons. What is the charge of the atom's nucleus? _____

17. What is the charge of the atom in question #16? _____

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

Friday, February 17, 2017

18. Approximately how many times have you attended Science tutorials? _____

19. What are you doing to prepare for the upcoming STAAR?

20. List two things I can do to assist you in preparing for the Science STAAR.