1. ________________
2. _______
3. ________________
4. _______
5. ________________
6. _______
7. _______ and ________________
8. _______ ( no units)
9. ________________
10. ________________
11. ________________
12. ________________
13. ________________ and ________________
14. ________________
15. ________________
16. ________________
17. ________________
18. ________________, ________________, ________________
19. _____ hours _____ minutes

(this page= 19 ques/# correct= )
School Name_____________________________                             Team Number _____
20.  ______
21.  _____°,  _____’,  _____”
22.  ________
23.  _______________ Mountains _____________________Nat. Forest __
24.  ________
25.  ________
26.  _____
27.  Sec _____,  Town _____,  Range _____
28.  _____,  _____,  Sec _____,  Town _____,  Range _____
29.  ________
30.  _____________________________
31.  ________________
32.  ________________
33.  ________________
34.  _____________________________
35.  ________________
36.  _____________________________
37.  _____________________________
38.  _____

( this page 19 ques// # correct = _____ )
39. ______
40. ______________
41. ________
42. ______________
43. ______________
44. ______
45. latitude= __________________
46. longitude = __________________
47. UTM Easting= ________________
48. _______________________________
49. _________

(Ties are broken using all questions in sequence from #49 backwards towards #1. Closeness to ideal values is used on measurement and calculation problems.)

(this page 11 ques // # correct = ______)
Big X, little x, what begins with X?
X chromosomes in girly gnomes; there’s only one in the other sex.

Let’s draw a profile of Beaver Creek Canyon, up in Rock Island Map Sector NE3!
50. Label the Y axis with elevations. The contour interval is 20 feet.
51. Plot and draw the profile along the black UTM grid line.
52. Label points A, B, and the stream. Use “highest possible” elevation values for all three points.

Big Y, little y, what begins with Y?
Yolanda does—she runs the mine. While Zombies work, she’s doin’ fine!
Big Z, little z, what begins with Z?
Let me think….let me think- something that begins with Z.
Zim… Zom… Zimbi—Zomb— no, sorry, I just can’t think of anything. I give up.

Mommy and I bought the Lazy Z Brain School in Wyoming a little while ago. It’s made up of one PLSS Section. The Snake River enters the map at the Northeast corner and meanders through it following a bearing of S 45°W. The valley around the Snake is level at 2000 ft elevation and a half-mile wide. After that the Northern Valley edge rises steeply to 2200 ft, but the Southern edge rises more gradually to 2110 ft. We have a home and a school building in the SE ¼ of the SE ¼, at an elevation of 2110 ft. Our students can wander around the valley, and we develop brains with good taste at the school!

53. Draw the Snake River as it meanders through the Brain School PLSS Section.

54. Draw Northern and Southern valley edge contours; label elevations.

55. Draw the house and school using USGS symbols. Mark the school’s elevation.

You may leave any guide lines you draw—you do not have to clean them up.

Use a scale of 120 mm= 1 mile   1 mm= 44 feet   Contour interval 20 feet

Scoring
53.____
54.____
55.____
Total_____