Engineering EXPO 2012 SCAVENGER HUNT!

Bring your completed scavenger hunt to the USF Student Government table, Friday only, or EXPO Store, Saturday only, in Zone 3 to get a prize! Good Luck! Note: prizes are subject to availability.

1. Our body is made up of four tissues. Name each one and tell their use. (SSS Benchmark SC.912.L.14.11)
   [Hint: Ask the Biomedical Engineering Society]

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2. When we ignite a gummy bear, what type of energy do we find there? (SSS Benchmark SC.912.P.10.1)
   [Hint: Ask the American Institute of Chemical Engineers]

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3. If you were to draw a square would you see a rectangle there? If you drew a rectangle first, would the situation be reversed? (SSS Benchmark MA.K.G.2.2:)
   [Hint: Ask the Mathematic Association of America]

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4. When doing calculations, what is the order of operations? (SSS Benchmark MA.5.A.6.2)
   [Hint: Ask the American Society of Heating Refrigerating and Air Conditioning Engineers]

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5. When devising a new route to school, what program would you use as your tool? (SSS Benchmark HE.6.B.1.3)
   [Hint: Ask the Institute of Transportation Engineers]

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6. If you want to go far how can science help you design your car? (SSS Benchmark SC.7.N.1)
   [Hint: Ask USF Racing]

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7. How many times does energy change its state when using this ancient counterweight (the trebuchet)? (SSS Benchmark SC.912.P.10.1)
   [Hint: Ask the Robotics Interest Group]

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8. It's so bright it cuts through the night, what is the definition of a LASER light? (SSS Benchmark SC.5.P.11.2)
   [Hint: Ask IEEE Computer Society]

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9. Applied to your lips, it shines for all to see. Is it a mixture or a substance, just what could lip gloss be? (SSS Benchmark SC.8.P.8.9)
   [Hint: Ask the Society of Women Engineers]

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10. A roller coaster ride will give you a thrill from the top as it sits potentially still and then as it races to the bottom of the hill. Is energy lost in the transaction when the coaster transitions from rest into action? (SSS Benchmark SC.6.P.11.1)
    [Hint: Ask Tau Beta Pi]

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11. A vacuum is a chamber that's closed really tight. One of the waves that can pass through it must be… (SSS Benchmark SC.7.P.11.4)
    [Hint: Ask X-Labs]

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