PH201 LBCC **Lab 10 Prelab: Conservation of Energy (Bungee)** Name_____

Lab Section_____

OK, really our last lab this term. We will prepare and perform a bungee jump with a model jumper.

When you read the lab instruction for the lab this week you found the calibration curve we measured after and during the last lab. Understanding this graph and conservation of energy is the key to a successful lab experience and your model surviving the jump.

1) Bring a model jumper (one for each lab group).

2) How is the calibration curve for the surgical tube different from a spring? Why is that so? Can you find a physical reason for the shape of the curve? We will discuss in lab.

3) How much energy is stored in the spring when the bungee is stretched by 3.00m, 3.20m, 3.40m.