Name: ____________________
Date: ____________________

Measurements And Observations

**Frog**
- Length of muscle from top of femur to tibiofibula
- Length of muscle from humerus to radioulna
- Abdominal muscles measurement
- Lower leg at calcaneum
- Vertebra to Ischium
- Carpals to Phalanges
- Metatarsals to Phalanges
- Neck Structure - cervical vertebra to scapula area

**You**
- Length of quadriceps from top of femur to tibia
- Length of triceps from top of humerus to radius
- Abdominal muscles from lower sternum to just below naval
- Ankle area from talus to calcaneus
- Cervical vertebrae to lumbar vertebrae
- Carpals to phalanges
- Tarsals to phalanges
- Base of cranium to area of scapula

Think about the movement potential for both human and frog anatomy

Source: Noël Grady-Smith, Mineral Springs Middle School, Winston-Salem, N.C.
How can we determine the frog’s strength?

- Measure the upper portion of your thigh _______________
- Measure the thickest part of the frog’s hind limb – _______________
- Measure your waist, your calf, and your chest - _______________
- Compare your thigh measurement to these – _______________
- Measure the abdominal cavity of the frog, the lower hind limb, __
- and the upper thoracic areas of the frog – _______________
- Make a comparison of these parts of the frog – _______________
- Measure your total leg length – _______________
- Measure the frog’s total leg length – _______________
- Measure your total height – _______________
- Measure the frog’s total length – _______________
- Compare the frog’s leg length to his total body length – _______________
- Compare your leg length to your total height - _______________

Use this page with your LAB PARTNER –
Remember to WRITE CAREFULLY!

Source: Noël Grady-Smith, Mineral Springs Middle School, Winston-Salem, N.C.
Compare:

In what ways are the anatomy of the frog and the human anatomy similar?

Student Worksheet, p. 3

Source: Noël Grady-Smith, Mineral Springs Middle School, Winston-Salem, N.C.
In what ways are the anatomy of the frog and the human anatomy DIFFERENT?

Compare:

You will use these facts in your debate.
Please WRITE CAREFULLY! page 2.

Source: Noël Grady-Smith, Mineral Springs Middle School, Winston-Salem, N.C.