

LABORATORY 13.2

Name		[Date
Instructor			Section
Assessing Flexibility	y and Bac	ck Pain Risk	
lifting techniques, weak muscles, polower back, hamstrings, and hip flex	or posture, inflexi ors. Choose a par	tner, and use extreme caution in apply	ng tests will assess the flexibility of your
TEST 1: BACK TO WALL			
			ouching the wall. Try to flatten your neck place just a hand between the wall and
Pass	Fail	-	
Interpretation			
with a forward pelvic tilt) with shorte to lengthen the hip flexor muscles, a	ened lumbar and h s well as strength	d hand, you may have lumbar lordosis nip flexor muscles. To correct or prever and endurance exercises for the abdo or Stretch, Abdominal Curl, and Abdom	ominal muscles, are generally recom-
TEST 2: STRAIGHT LEG LIFT			
her right hand on your knee. With the	e left hand, your p is position, your lo		
Left side: Pass			
Right side: Pass	Fail	-	
Interpretation			
floor, short lumbar muscles, short hij strings; lower back stretches can be	p flexors, or both a used to lengthen	are implicated. To correct this condition	I/or your right leg does not remain on the n, perform exercises to stretch your ham- ions and videos for Hamstrings Stretch etch, Back Bridge, and Cat Stretch.
TEST 3: KNEE TO CHEST			
third of your thigh is off the table). B	ring your left knee		eyond the edge of the table (about one- your thigh, pulling down tightly toward opposite leg.
Left side: Pass			
Right side: Pass	Fail	-	
Interpretation			at his flavor musels, if your left thigh lifts

If your right thigh lifts off the table while you hug your knee to your chest, you have a tight right hip flexor muscle; if your left thigh lifts, then you have a tight left hip flexor. To stretch the right hip flexor, place the left knee directly above the left ankle, and stretch the right leg backward so that the right knee touches the floor. Press your pelvis forward and downward. Do not bend your front knee more than 90 degrees. Repeat on the opposite side to stretch the left hip flexor. See the description and video for Hip Flexor Stretch (thigh stretch).

SUMMARY

Awareness of flexibility problems may help you alleviate back pain or prevent future back discomfort. Remember that exercises designed to increase flexibility and strength, reduce body fat, improve muscle balance between the trunk flexors and extensors, and prevent osteoporosis can decrease your risk of developing back problems.