

the joint is quicker?

a) True

b) False



CONDITIONNEMENT PHYSIQUE N.-B.

Spring 2022 article and quiz for 1 FNB CEC

Read the Article: Stretching and injury prevention: An obscure relationship

Answer the questions below, save the document to your computer and submit to: executivedirector@fitnessnb.ca on or before July 29, 2022

Please Note: If using Firefox or Google Chrome you will need to convert to a fillable form: Left click on download (top right corner third Icon). Choose Adobe Reader and wait for converted form.

Name: Date (mm-dd-yyyy):

1. Stretching programs can significantly influence the viscosity of the tendon and make it significantly more compliant, which may be important for injury prevention in what kind of sports?

a) Sports involving cardio

b) Team sports

c) Sports involving repetitive movements

d) Sports involving stretch-shortening cycles (SSC)

2. What kind of contraction allows the muscle-tendon units to store mechanical work as elastic energy?

a) Concentric

b) Eccentric

3. What kind of performance does compliant muscles performed better than stiff muscles?

a) Concentric

b) Eccentric

c) Isometric

d) All the above

True or false: The more compliant the muscle-tendon unit, the faster the force is transfer to the bones, and the resulting movement of

5.	As tendon stiffness increases, greaterare generated within the muscle?
	a) Energy absorbing capabilities
	b) Risks of injury
	c) Passive forces
	d) Concentric forces
6.	What was the percentage of fewer injuries found in the group of elite soccer teams that had a routine of warm up and stretching?
	a) 40%
	b) 50%
	c) 25%
	d) 75%
7.	In an athletic population, what may contribute to the development of patellar tendinosis?
	a) Lower flexibility in the quadriceps and hamstrings
	b) Lower flexibility in the hamstrings
	c) Too much flexibility in the quadriceps
	d) Lower flexibility in the glutes
8.	What are examples of sports involving low frequency of SSC movements?
	a) Cycling
	b) Swimming
	c) Jogging
	d) a and b
9.	Why is the risk of tendon or muscle damage relatively low for sports with low SSC?
	a) The minimum energy-absorbing capacity is very low
	b) The maximal energy-absorbing capacity is more likely to be exceeded
	c) The maximal energy-absorbing capacity is less likely to be exceeded
	d) They are easier sports
10.	Athletes in sports with no or low SSC movements don't stretch much, why so?
	a) A compliant tendon would be less adapted and efficient in these kind of sports
	b) Stretching would increase the risk of injuries in these kind of sports
	c) A stiff tendon decreases the risk of injuries
	d) Stretching is useless