Physical Education Major Muscle Groups

White Book Page 175 and 185

1. Define the following words/phrases.

List one facts about each subject.
 Draw a colored picture that represents each word or phrase.



Date: 04



Absolute Strength	Calisthenics
Definition: A term for the total amount of weight you can lift resistance you can overcome regards	or part of the body weight as the resistance.
of your body weight.	Calisthenics
Fact: The average absolute streng for males is higher than for femo Drawing:	Orawing:
Fast Twitch Muscle Fibers	Hypertrophy
Definition: Muscle fibers that com	tract An increase in muscle size.
at a fast rate and have great strength but very little resistance.	Fact: Endurance training does not cause as much hypertrophy.
Fact: Fast Twitch Muscles fibers a white in color.	
Drawing: O= fast Twitch	Before After

Isokinetic Exercise **Intermediate Muscle Fibers** Definition: Muscle fibers having Definition: An exercise for muscle fitness that requires the resistance and/or speed of movement through a full range of joint neverment. characteristics of both slow-and Fast twitch muscles. Fact: Intermediate Muscle Fibers Fact: Isokinetic exercise has contract quickly & have good constant speed. endurance Drawing. Drawing: **Isometric Contraction Isotonic Contraction** Definition: A muscle contraction that Definition: An exercise that involves Pulls on the bones and produces moveisometric contractions in which the body parts do not. ment of bedy parts. Fact: Pushing your army and hands Fact: The two types of Isotonic in front is an isometric contraction. Contractions are concentric and eccentric. Drawing: Drawing: **Progressive Resistance Exercise** One Repetition Maximum Definition: (1RM) The exertion that (PRE) The gradual Definition: can be given by a mosel when increase in resistance used to improve Performing one repition at a max muscle fitness. Fact: Progressive Resistance Exercise is the most commonly used strenthening Fact: A one repition maximum test is considered to be the best technique. test for strength. Drawing: Drawing:

Relative Strength Reps Definition: The amount of weight or Definition: An abbreviation for repitions; a term wed to describe the number of resistance you can overcome for each pound of body weight (stryingth per pound consecutive times you perform an exercise. of body weight). Fact: Most exercises have three sets of Fact: The most common method for determining relative strength is to reps. divide your weight into your absolute strength score to get a "strength per Drawing. Pound of body weight" score. 15 reps Drawing. 125/52 = 2.404 **Slow-twitch Muscle Fibers** Set Definition: Muscle Fibers that contract at Definition: A group of repititions of a specific exercise; each set of a slow rate and have great neps is followed by a rest period endurance. before another is performed. Fact: Slow-twitch Muscle Fibers are usually red in color. Fact: Most exercises have three sets of reps. Derawing: Drawing: M= StiW twitch **Double Progressive System Muscle Bound** Definition: A method or system of Definition: Having bulky muscles that resistance training that progressively decrease a person's flexibility. increases (1) the amount of weight Fact: Incorrect training causes and (2) the number of repititions inflexibility. ored when performing an exercise. Drawing: Fact: The Double Progressive System is the most often wed method of applying the principle of progression for improving muscle Fitness. resistance (160. sets Repitions 120 6 2 120 3

r hysical Education Na	me:
Major Muscle Groups	Date: -3
Chapter 10 L1 Pages 155 – 166	Period: 1st
Chapter to L1 Tages 133 – 100	renod.
Overview:	
Benefits of good flexibility	
1. Improved function	
2. Improved health and wellness	
Characteristics of Flexibility	
Body Build and Flexibility	
2. Hypermobility	
3. Joint Laxity	
Fitness Principals and Flexibility	
 Principle of overload 	
Principle of progression	
3. Principle of Specificity	
4. Marinating Flexibility	
,	
What is Flexibility?	
The transition is a place where where	rough a full and of
In trans (ROM). A lount is a place where Loung	come together. The best
known joints include the ankles, knees, and hips in the leg: the Known	CLIPS, wrist, elboras and
shoulders in the arms; and the joints between the Vertebrae in the	10 Same
Joints, such as the Knees and elbows	
movement in only two directions. Other joints, such as the	work and shaden, work
like a ball and Socket, allowing movement in all	directions.
Range of Motton (ROM) is the amount of your	verment you can
make in a joint.	
11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	
Benefits of Good Flexibility	
The Alaba is a small as an the first the man	t of lone IVV related fitness
This is because most people tend to focus on the other parts of health r	tor view -related fitness.
This is because most people tend to focus on the other parts of health r	related fitness to the CACO 190
of Flexibility We know, however that having good flexili	11tyhas many health backets,
both when you are young and when you dow older. Some of t	these benefits are described here.
Improved Function	
	seath, and mobility.
Everyone needs a minimum amount of fexibility maintain vand some people need additional flexibility. For example, dancers and	must be very
Plexible to We form their routines; plumbers, pain	stars and dentists often need to
to recipit the frontines; plumbers, pain	e florible
and Strech; and some musicians need ver	y flexible figers and wrists.
FIALLITY is important to many atteres because	e it allows a longer backswing in
and striking movements. A long backswing allows	
the case of weight lifting, shot put, and some other sports, the greater b	backward Movement,

producing more power.

Improves Health and Wellness
Stretching exercises can help prevent MIVIU and muscle Soveness and have a
beneficial effect on a number of conditions. For example, <u>flexible</u> musicians are less likely to
have Dain in the joints. Stretching exercises can often afterwater menstrual
in women. They can prevent or provide relief from led transfer in shin
splints (pain in the front of the shin caused by Over USE. A Stretching Short muscles helps
improve pature, which helps prevent or relieve back Daw and reduces
Fatique . Stretching a muscle can help it relax.
Characteristics of Flexibility
Just as heredity and other factors influence your success in sports and recreational
activities, similar factors influence your <u>Flexibility</u> .
Body Build and Flexibility
Some people are not able to score well on flexibility tests as others no matter how much they
stretch. Anatomical differences in our bodies help determine what we can and cannot do. Rather
than <u>comparine</u> your scores on <u>flexibility</u> tests with those of others, compare you scores with
your scores on Figure 10 tests with those of others, compare you scores with 1000 previous scores and seek to 1000 previous scores and seek to 1000 previous scores with 1000 previous scores and seek to 1000 previous scores with 1000 previous scores and seek to 1000 previous scores with 1000 previous scores and seek to 1000 previous scores with 1000 previous scores and seek to 1000 previous scores with 1000 previous scores and seek to 1000 previous scores with 1000 previous scores and 1000 previous scores with 1000 previous scores and 1000 p
Can short people touch their toes more easily than tall people can? In most cases this is we true
tends to have short (although there are exceptions). In contrast, a tall person tends to have
Inger legs and trunk, as well as longer arms. There are people who have exceptionally long arms or legs
or not so well on Fred by this is the assention not the challenge of the properties and the challenge of the second or not so well on Fred by the second of the second or not the second or not so well on Fred by the second or not second or not so well on Fred by the second or not second or
tests, but this is the exception, not the tests, but this is the exception to the test that the test the test that the test the test that the
Generally. females tend to be more figure than males. Also, younger people tend
to be more flexible than older people. As people grow older, their words
typically grow Shorter because they are used bes , and their jour allow less
movement because of conditions such as arthands. One important reason for doing regular
Stretchard exerves when you are young is to reduce the nick on joint
when you are older. Good fight lity enhances preformance in a variety of
tasks for people of all ages.
Hypermobility
Some people have an unusually large Conce of Monton in certain joints, and people often
refer to them as being of the jointed. This condition is called MINN MODELLY, the ability to
the long elbow thumb or wrist joint past a Strong line, as if the joint
aculd bond the state of the sta
to some ground than others. Some meanle who have to the following all
and may be more likely to develop (ATTM-TT), a disease in which the
For the most part, nowever, those with hypermoone
the set have problems other than a slight disadvantage in some with the set have problems other than a slight disadvantage in some with the set have problems of the set have problems.
person might easily
example, when doing the push up exercise, the clows of a
when the arms straighten, making it difficult to differ the
dourne movement.

Joint Laxity	
When the supporting tisself around a initial to the support around a	
When the supporting tissue around a joint allows the bones to move in ways others that it is described as which the supporting	in intended
it is described as joint laxity, or look ness. Laxity occurs when	the
incorrect exercise. If laxity occurs in a herejoint, it may lead to knee sprains a)r
Cartilage or a distracted kneecap. Vioruments Carnot	na torn
strengthened by doing evergises. Howaver 5	_be
strengthened by doing exercises. However, strengthened by doing exercises.	ious
section, joint is another cause of hupler molecular.	ious
is another cause of Hope worth	
D-1	
Balancing Strength and Flexibility	1
You should do Strength and Flexibility exercises together. Everyone	e needs
strong MNSCles, but exclusive use of strength exercised can lead to a loss of normal range	or motion
and a condition sometimes called being Muscle -bound. On the other hand, if do flexibitu exercises, then you joints may become susceptible to whom became	you only
need strong muscles to reinforce the ligaments that hold the bones togeth	ise you
A balanced exercise program includes both Strength and flexibility exerci	ses for all
you muscles so that they can apply equal force on all sides of a joint. Feeple commonly u	se the
flexors (muscles on the Front of the body) a great deal because many daily as	ctivities
emphasize the use of those	ents
muscles (on the front of the arm). Per toral muscles (on the front of the chest).
muscles (on the front of the arm), Pee toral muscles (on the front of the chest and quadriceps muscles (on the front of the thigh.). The pull of these	strong
muscles results in the body hunching forward. To avoid becoming permanently hunched	over, you
need to make certain that these strong, Short muscles on the front of the body get Str	etched.
At the same time, you west strengthen the weak, long, relatively Unused me	scles
on the back of the body.	
Are there any muscles that do not need stretching? For most people, the answer is web. For	
most people eventually begin to develop a worked - over posture often called home	back
at some point in life. Because the upper back muscles become over stretches	Land.
with this postural problem, they should avoid further stretching of those marches. And the Oceanip.	
be the abdomind muscle. It is important to keep your abdominal muscles strong	but most
people do not need to stretch them. In fact, if the abdominals are stretched they begin to Sag	and the
abdomen protrudes, leading to poor posture.	
Each person must evaluate his or her own Meeds to avoid stretching already overstrete	ched
muscles and word strengthening muscles that are already so strong that they are out of	
with their opposing muscles. Keeping muscles on Opposites sides of a	longo
in balance helps them pull with equal force in all directions. Such a ba	ialice
your body parts properly, ensuring good posture.	

Muscles That Need the Most Stretching

	That I teed the	ie Wost Stretching
Muscle(s)	Reason for Stre	etching
Chest muscles	To prevent Prov	Posture
Front of Sholders		r posture!
Front of hip foint	1	autack postixe, backace, or apulled wish
	To Drevery Sun	warpack postuse, backace, or a Pluted muse
Inside of thigh	To prevent be	bushace positive, successes, or a provide puse
Calf muscles	To prevente sa	act, leg, & tool Strack
lover back	To aword Sorer	ness, FAchilles tendon injuries, which nay region
LOWER BACK	10 prevent sore	ack, leg, 3 foot strain noss, 3 Achilles tendeninguries, which mayour reness, pain, 3 backingury
Fitness Principles and Flexion The principles of Ole Lad ust as they apply to the other comp	bility	, and <u>specificity</u> apply to <u>flexibility</u> ,
to stretch a muscle, you need to this kind of stretch, you usually ne for example, if you want to stretch your arms back and holding them such as your own body weight, wh	that position	than normal to
gradually farther as you gradually the a you perform.	gain amount of Eventually you will ach	You can increase intensity by Up to a point, you may also progress byyou hold the stretch or the number of chieve your flexibility Then you need
Principle of Specificity Flexible and Specificity Overall	, you m	must stretch the muscles that need stretching.
Maintaining Flexibility		
Once you have reached an accept	able level of	and for you muscles, you must through this new and improved
to move all of	your a	If you do not use the range of motion you have
01	on a regular basis. I	to and you will again lose that

Chapter 10 Lesson 2 – Improving Flexibility

The Fhysical Activity Pyramid
Flexibility in the of the body is essential for good health as well as for efficient,
effective foundationing. For best results, you must perform exercises especially designed to
improve flexibility because other activities may do little to improve it. Selecting activities and
including AVACOCA for floribility for all D
including exercises for flexibility from the P hysical Activity P rogram is
the most effective way to improve your Flexibility.
Types of Flexibility Exercises
Properly selected exercises can improve your flexibility and provide many other benefit
such as helping to relieve muscle (ramps . Range of motion exercises and stretching
exercise are two main types of flexibility exercises.
exercise are two main types of flexionity exercises.
Range of Motion (ROM) Exercises
The tern range of motion exercises (ROM) exercise, usually called ROM exercise, refers to Hearth 1
exercises that are used to maintain the range of motion already present in your joints.
ROM exercises are probably the type of flexibility exercise to use in a warm-up
Some experts think that when you stretch your muscles too much in the warm-up, the
moscles are more likely to be injured in the workout or sport that follows. So ROM
exercises, or moderate stretching exercises, are recommended for the warm - up.
More intende stretching is necessary to improve flexibility, but as previously noted, this
type of stretching should be done in flexibility workouts when the body is with rather than in the
warm-up.
If you are as flexible as you need to be, then you should move your body to main alo
that flexibility. Without attempting to stretch muscles any farther . it is wise to move
all of the joints through their Complete range of motion at least 3 three a week. Every day is
even better. For example, if your self assessment scores are in the 900d zone where you wish to be,
they was about a substantial to substantial to the fact of the fac
then you should regularly exercise to maintain that level of flexibility.
Stretching Exercise
Where a ROM exercise Woundaws your current level of flexibility, a stretching exercise is designed
motion. The 3 types of stretching exercises are Static, PUF, and ballistic.
motion. The 3 types of stretching exercises are Static. PDF, and ballistic.
Static Stretching is stretching State as you can without The until you feel a
Static Stretching is stretching Slady as far as you can without min, until you feel a sense of pulling or tension, then holding the stretch for several seconds. 15
sense of the or tension, then nothing the stretch for several seconds.
for best results). Done correctly, Static Stretching increases your flexibility and cun help you
CC/as. Static stretching exercises are safer than ballistic stretching exercises because you
are less likely to stretch too far and injure yourself. Static stretching can be especially
beneficial for people who have bad backs, previous muscle or joint mories, or
as thritis. Even athletes should perform Static stretches at the beginning and
end of their exercise programs to worm up and cool down. By themselves, 5 tatic
Stretches might not build enough flexibility for an athlete, so athletes may need to add
PMF and ballistic stretches.
PNF stretching (PNF stands for <u>Proprioceptive</u> <u>wwromwscular</u> facilitation)
s a stretching technique used by physical and occupational therapists. It has recently become popular
among athletes. PNF stretching is a variation of Static stretching that is more
effective for improving flexibility. A YNF stretch involves contracting the
nuscle before you stretch it so that you can stretch it farther. Some variations of PNF require a
to assist you, but one form is easy for you to use with or without a parther. It is
called CRAC (Contract - relax - antagonist - contract).

Contracting
After you contract a muscle that you want to stretch, the muscle automatically Contracting the muscles(_ant_a_gonist) during the stretch also makes the muscle you are
The Annual Manual Manua
stretching is a series of quick but gentle bounding is a series of quick but gentle bounding is a series of quick but gentle
motions that are yout field for a long time in a sport, then
some of your next thing should start with stretching before doing the barrier stretching before doing the barrier stretching can cause
some of your flexibility exercises should resemble the sport's movement. These varieties of the sport's movement. These varieties the sport's movement. These varieties is the sport's movement is the sport's movement is the sport's movement. These varieties is the sport's movement is the sport's mo
11.1 11: -tip otrotching because 01 tile possibility of
St Stellungit it is not done carefully. However, state If you are an athlete and wish to achieve a
cause as much muscular Sore MES as static stretch to apply the option of the country
high prefor wave level of flexibility, you may wish to apply the wind the backswing so common to sports. By using a ballistic stretching exercise that closely mimics the backswing so common to sports.
You can see an example of this type of stretch at baseban games when the state in each direction before
getting in the batter's Dox. Another example is the track attricte who stretches as
tendon with a few gentle bounces on the heels.
Guidelines for Flexibility Exercises
To get the most benefit and the most sometimes to perform the exercises for rectly and observe certain cautions to avoid important to perform the exercises for rectly and observe certain cautions to avoid important to perform the exercises for rectly and observe certain cautions to avoid in which is a send apprint to be a possible value of the property and property achieve and maintain
Before you begin stretching, follow these guidelines and cautions to help you safely achieve and maintain
fleli bility.
Use static stretching or PNF when beginning or for general health
> Don't overstretch or ballistically stratch an injured muscle
> If you do ballistic stretching don't barnce too for
Start with a general body warm-up
> Don't stretch joints that are hypermobil, swinstable, swollen, or infected
> Don't stretch uptill you feel pain.
> Avoid dangerous exercises
Avoid stretching muscles that are already arestretched from poorpostur
> Be sure to overbad when Stretching
> Consider contracting theo relaxing the much before you stretch
> Consider contracting the antagonist (opposite muscle while you street
> Start Slowly
~

Physical	Education
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Date:	04/14/2018
	Period:

Overview:

Benefits of good flexibility

- 1. Improved function
- 2. Improved health and wellness

Characteristics of Flexibility

- 1. Body Build and Flexibility
- 2. Hypermobility
- 3. Joint Laxity

What is Floribility?

Fitness Principals and Flexibility

- 1. Principle of overload
- 2. Principle of progression
- 3. Principle of Specificity
- 4. Marinating Flexibility



Nan.

What is Flex	ibinty:				
Flexibility	is the ability to movr	your joires	through a fi	ull range	of
motion	(ROM). A joint	is a place where	bonus con	ne togeth	er. The best
known joints in	clude the ankles, knees,	and hips in the leg: the	KNUCKS	_, wrist,&lbow	s and
shoulders in the	arms; and the joints bet	tween the veltebrase	in the arm	Some	
101045	such as the Knees	and elbows	, work like a _	hirye	_ permitting
movement in or	nly 400 direction	ns. Other joints, such a	s the <u>rre</u>	and should	der_, work
	and SOCRA				
Range	of motion	_ (ROM) is the amount	of move men	n⊲ you can	ſ
mure	in a joint.				

This is because most people tend to focus on the other parts of health related fitness to the external of first which when you are young and when you grow older. Some of these benefits are described here.

Improved Function

Everyone needs a minimum amount of first which to maintain health and mobility, and some people need additional flexibility. For example, dancers and a unique of must be very their routines; plumbers, painters, and dentists often need to and except is important to many at hell to because it allows a longer backswing in the case of weight lifting, shot put, and some other sports, the greater backward routines.

Production

The state of the left of th

Improves Health and Wellness Stretching exercises can help prevent and muscle soreness and have a beneficial effect on a number of conditions. For example, fletche musicians are less likely to have in the joints. Stretching exercises can often a menstrual in women. They can prevent or provide relief from menstrual in splints (pain in the front of the shin caused by over 15 to 0. Stretching muscles helps improve which helps prevent or relieve back and reduces
Characteristics of Flexibility Just as western and other factors influence your Success in sports and recreational activities, similar factors influence your flexibility.
Some people are not able to score well on tests as others no matter how much they stretch. Aron or and differences in our bodies help determine what we can and cannot do. Rather than compared your scores on tests with those of others, compare you scores with previous scores and seek to previous a shorter person does tech to have relatively have a shorter person does tech to have relatively helps and Arok but also cends to have short (although there are exceptions). In contrast, a tall person tends to have longer legs and trunk, as well as longer arms. There are people who have exceptionally long arms or legs whose body build may make it easier for them to score or not so well on flexibility. Generally, femulae tend to be more flexible than males. Also, younger people tend to be more flexible tend to be more flexible because they are used less, and their flexible regular solves movement because of conditions such as of the regular regular solves and the regular regular solves for people.
Some people have an unusually large of of in certain joints, and people often refer to them as being of jointed. This condition is called hypermularly, the ability to the knee, elbow, thumb, or wrist joint past a strong trait and tends to be more common in some groups than others. Some people who have hypermularly joints are prone to joint and may be more likely to develop of the hypermobile do not have problems, other than a slight disadvantage in some of the push up exercise, the elbows of a hypermobile when the arms straighten, making it difficult to unlock the elbows to begin the movement.

Joint Laxity
When the supporting around a joint allows the bones to move in ways others than intended
it is described as
1 yearners around the joint are a vec strength most likely from or
exercise. If laxity occurs in a pose joint, it may lead to knee sprains and torn
cartilage or a distocated kneecap. Inquirients carried be
strengthened by doing exercises. However, strengthened by doing exercises. However, the me around the
can help reduce loos eness. In addition to the reasons described in the previous
section, joint lux ray is another cause of hyperwoods
1131
Balancing Strength and Flexibility
You should do Strength and Flemoury exercises to exercises. Everyone needs strong to be the total strength exercised can lead to a loss of normal range of motion
strong , but exclusive use of strength exercised can lead to a loss of normal range of motion
and a condition sometimes called being muscre - woond. On the other hand, if you only
do states with exercises, then you joints may become susceptible to vryory because you
need strong much les to reinforce the lugamens that hold the bores to gether
A soloned exercise program includes both sacrage and Frequence exercises for all
you muscles so that they can apply equal force on all slows of a source. People commonly use the
Flators (muscles on the from of the body a great deal because many daily activities
emphasize the use of these mudeles . For example, the majority of people have strong breece
muscles (on the Fror of the arm), pearson muscles (on the front of the chae),
and cood deren muscles (on the front of the). The pull of these strong
muscles results in the body town forward. To avoid becoming permanently hunched over, you
need to make certain that these strong, os was muscles on the front of the body get unused
At the same time, you must strengthen the weak, long, relatively works
on the busy of the body.
Are there any muscles that do not need stretching? For most people, the answer is gest. For example,
most people eventually begin to develop a hundred - over posture often called hungbuck
at some point in life. Because the upper walk must shoome over sacretimed in people
with this postural problem, they should avoid further stretching of those muscles. Another example might
be the absorber at . It is important to keep your a bdomeral muscles strong but most
people do not need to stretch them. In fact, if the abdominals are stretched they begin to seed and the
a bdomir a protrudes, leading to poor posture.
Each person must evaluate his or her own <u>needs</u> to avoid stretching already overstretched
muscles and 4700d strengthening muscles that are already so strong that they are out of
with their opposing muscles. Keeping muscles on opposing sides of a in balance helps them pull with equal force in all directions. Such a balance
in balance helps them pull with equal force in all directions. Such a balance
helps good your body parts properly, ensuring good of store.

Muscles That Need the Most Stretching

Muscle(s)	Reason for Stretching
Ches x	Prevent poor postume
from of Sholders	Prevent pour Posture
From of Hip joini	Prevent swan back posture backposture burktache of pulle
Buck of they!	grevenin sweet bur posting burneagy for puller mosse
Inside of thigh	Breeze buck ley and fout stoler
Can muscles	WWO Soieres and Achilles Tenday igures
Lower Back	greeter softness your jund build it was
The principles of	mponents of health - related fitness.
To stretch a muscle, you need to this kind of stretch, you usually For example, if you want to stre your arms back and holding the such as your own body weight, You can use another sure to give feedback amount of acceptable of Progression	than normal to
gradually and a week th	e amount of you hold the stretch or the number of n. Eventually you will achieve your flexibility gats. Then your standard you have a chieved.
to accept the	Journal agriculture
Princip's and the same	only the specific muscles at the specific joint that you Sare ach.
Principle of the Implement of Acutop overall	

Chapter 10 Lesson 2 – Improving Flexibility

The Physical Activity Pyramid
Flexibility in the of the body is essential for good as well as for efficient, effective for the post results, you must perform especially designed to improve for flexibility from the Property is
effective for the for best results, you must perform especially designed to
improve (because other activities may do little to improve it. Selecting activities and
including energiese for flexibility from the P region A equivity P would is
the most effective way to improve your free.
Types of Flexibility Exercises
Properly selected exercises can improve your frequency and provide many other beautiful
Properly selected exercises can improve your frequency and provide many other benefits such as helping to relieve muscle Range of months exercises and stretching
exercise are two main types of flexibility exercises.
exercise are two main types of nemonity energies.
Range of Motion (ROM) Exercises
The tern range of motion exercises (ROM) exercise, usually called ROM exercise, refers to
exercises that are used to maintain the range of motion already present in your
ROM exercises are probably the softes a type of flexibility exercise to use in a warm-up
Some experts think that when you stretch your muscles too much in the warm-up, the
are more likely to be in the workout or sport that follows. So ROM
are more likely to be in the workout or sport that follows. So ROM exercises, or moderate stretching exercises, are recommended for the workout or sport that follows. So ROM exercises, or moderate stretching exercises, are recommended for the workout or sport that follows. So ROM exercises, or moderate stretching is necessary to in the workout or sport that follows. So ROM exercises, or moderate stretching is necessary to in the workout or sport that follows. So ROM exercises, or moderate stretching exercises, are recommended for the workout or sport that follows.
More traces stretching is necessary to increase flexibility, but as previously noted, this
type of stretching should be done in flexibility workouts when the body is work a rather than in the
warm-up.
If you are as free as you need to be, then you should move your vood y to maintain that free way. Without attempting to stretch muscles any for the rest, it is wise to move
that flyncion. Without attempting to stretch muscles any for the stretch move
all of the joints through their _ comprese range of motion at least _ 3 _ times a week. Every day is
$\mathbf{P}_{\mathbf{r}}$
then you should regularly exercise to have that level of that level of the control of the contro
Stretching Exercise
Where a ROM exercise your current level of flexibility, a stretching exercise is designed
to prevent your range of motion by stretching Courses than your reverse your current range of
motion. The types of stretching exercises are Salaria and and had and
Static Stretching is stretching 50000 as far as you can without pour confidence sense of pour or tessoon, then holding the stretch for several seconds. (15 or more for hest results) Done correctly.
sense of pulling or tensue of, then holding the stretch for several seconds. (15 or more
Tot dest results). Dolle collectly, Shake Sheepley the regions were flexibility and can help you
state stretching exercises are safer filled by the stretching evereiges because you
Vourself Statio stratching can be conscious.
objected for people wild liave Dan St. Me Confederations muscle on initial
Chollid nertorm
programs to 1 p. f pro 100 million 1. 1 ma Dr. diamentaria
might not build enough flexibility for an ut high e, so athletes may need to add
is a stretching technique used by physical and occupational therapists. It has recently become popular
among CANCER PNF stretching is a variation of
among CANCES. PNF stretching is a variation of CACHE stretching that is more muscle before you stretch it so that you can stretch it.
muscle before you stretch it so that you can stretch it
called CRAC (coptact - relut - aptogonist - coptact). It is

After you contract a muscle that you want to stretch, the muscle automatically render. Contracting during the stretch also makes the muscle you are
stretching relax. CRAC does both of these. Stretching is a series of quick but gentle or both a stretching is a series of quick but gentle or stretching is a series of quick but gentle or stretching is a series of quick but gentle or stretching is a series of quick but gentle or stretching in a sport, part of your exercise program should motions that are not held for a long time If you move or stretch quickly in a sport, then include movements used in your sports. If you move or stretching the sport's movement. Those who use some of your flexibility exercises should the stretching before doing the ballistic stretching should start with stretching too quickly or overstretching can cause
Some teachers and coaches have been opposed to all ballistic stretching because of the possibility of some teachers and coaches have been opposed to all ballistic stretching because of the possibility of some teachers and coaches have been opposed to all ballistic stretching does if it is not done carefully. However, studies show that ballistic stretching does as static stretching. If you are an athlete and wish to achieve a cause as much muscular stretching exercise that closely mimics the backswing so common to sports. By using a stretching exercise that closely mimics the backswing so common to sports. You can see an example of this type of stretch at baseball games when the batter takes a few easy with a weighted bat or does trunk twists with a few easy in each direction before getting in the batter's some with a few gentle bounces on the heels.
Guidelines for Flexibility Exercises To get the most benefit and the most enjoyment from your exercise program, it is important to perform the exercises and observe certain cautions to avoid Before you begin stretching, follow these guidelines and cautions to help you safely achieve and maintain
Start with a general warm-up W use static streaching or PIVF when
Muse static stretching or PIVE when
beginning or for general health
Do Not over stretch or ballistically stretch an
rijured muscle
If you do not bullistic stretching, don not brice to for
of DO not stretch joins that are happermobile, unstable
> swaller, or infected.
Do not stretch Until you feel pair
Havid dangerous exercises.
AUDIO SATPACKING MUSCIES THAT are already over
> stretched from poor posture

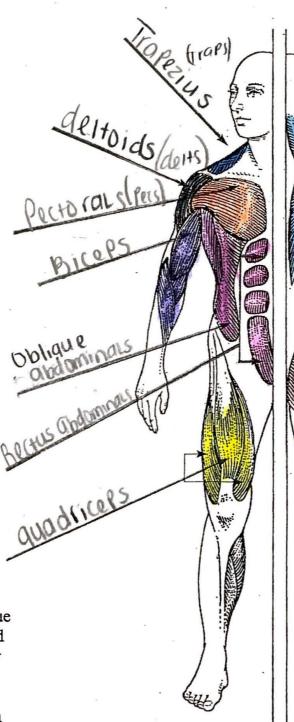
Physical Education Major Muscle Groups

Name

Date: 04/16/18

Period: 15t

Label each muscle and color it according to the color key.



atissimus Glutears Glutes hamstrings Calf muscle Achilles tendon

Trapezius – light blue
Achilles tendon - red
Quadriceps - yellow
Deltoids - black
Calf muscle - gray
Triceps – light green
Rectus abdominals - pink

Rectus abdominals - pink Hamstrings – dark green

Latissimus Dorsi – light orange

Gluteals - brown

Oblique abdominals - light purple

Pectorals - dark orange

Biceps - dark purple