

Science Worksheet #3 Investigating Muscle Strength

Name: _____

Grade 7A

Date: /10/2022

1 – Identify the main muscles in the following diagram.

A jaw muscles

B shoulder muscles

c pectoral muscles

D bicep

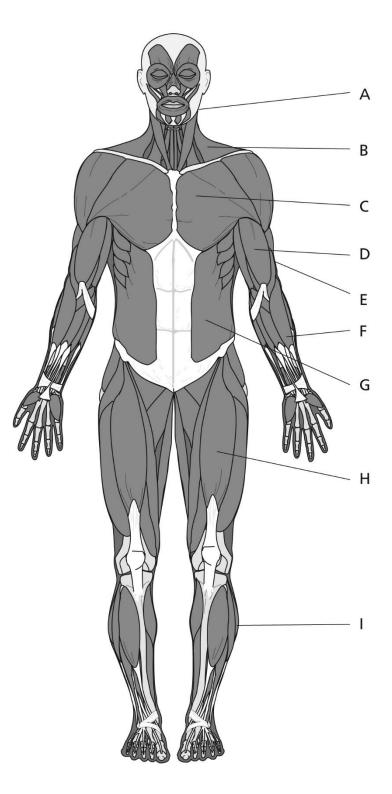
E triceps

F forearm muscles

G abdominal muscles

н quadriceps

ı calf muscles





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2- List the main muscles used in each of the following activities:

a) hopping

calf muscles, quadriceps, hamstring muscles

b) writing

Forearm muscles

c) eating

jaw muscles, face muscles, tongue

d) doing a handstand.

Forearm,	biceps	and	triceps
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3- Suggest whether swimming or playing football would most increase the strength of your chest muscles. Explain your answer.

In swimming we use our arm and chest muscles , and using them strengthens them.















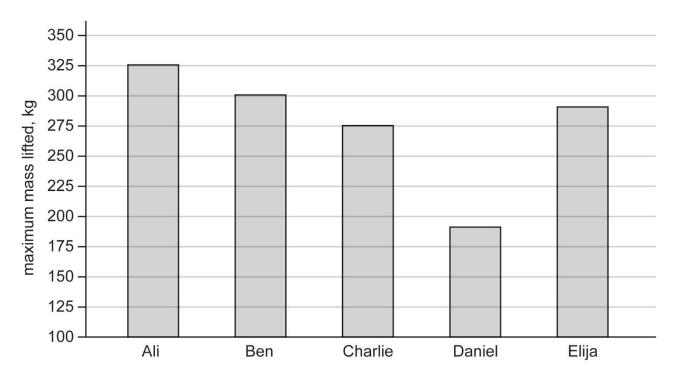


4- Complete the sentences using words from the box.

bicep	tricep	joint	tendons	
contracts	relaxes	antagon	antagonistic	

- a) Muscles that work together as a pair are called <u>antagonistic</u> muscles.
- b) Muscles are joined to bones by <u>tendons</u>. When a muscle contracts, it can move a bone if that bone is found at a joint .
- c) An example of antagonistic muscles in the arm are the **_____bicep** and the **____tricep**____.
- d) To bend the leg at the knee, the quadricep ____relaxes and the hamstring __contracts___.

5- Five men compared the weights they could lift above their heads.



a) Use information in the graph to identify the man with the strongest muscles.

Ali

b) Use information in the graph to suggest which man has an injury.

Daniel













6- Label the following. Explain which muscle relaxes and which contracts.



