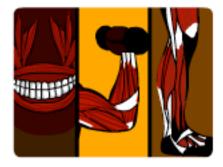
Structure and Function in Living Systems Brainpop—Muscles

Name: Period:

Watch the Brainpop on muscles, then answer the questions below. You can also use Chapter 15, Section 3 of your textbook if you are getting stuck.

1. Where might you find involuntary muscle?	6. What can you infer from the fact that your	
a. in your arms	body is basically covered in voluntary muscle?	
b. in your mouth	a. a large network of nerves must run	
c. in your toes	throughout your body	
d. in your stomach	b. you are also covered in involuntary muscle	
2. What is the best synonym for "voluntary"?	 c. your muscles outweigh your bones and skin combined 	
a. necessary	d. unless you exercise every day, your	
b. mandatory	muscles will stop working	
c. deliberate	7. What would most likely happen if one of your tendons snapped in half?	
d. painless		
O. Dut the fallenting arrante in the convert and an	a. one of your bones would break	
3. Put the following events in the correct order:	b. you wouldn't be able to move a bone	
X. your arm moves	c. an involuntary muscle would stop working	
Y. an impulse travels along a nerve	d. your muscles would tighten up and not be	
Z. you decide you want to move your arm	able to relax	
a. X, Y, Z	8. What does glucose give your muscles?	
b. Z, Y, X	a. oxygen	
c. Z, X, Y	b. energy	
d. X, Z, Y	c. water	
4. Why are voluntary muscles also known as skeletal muscles?	d. blood	
a. they are part of your skeleton	9. What do ligaments connect?	
b. they give your body its form and structure	a. bones to bones	
c. they make your skeleton move	b. bones to muscles	
5. Where in your body can you find a joint?	c. muscles to muscles	
a. your shoulder	10. What do tendons connect?	
b. your heart	a. bones to bones	
c. your brain	b. bones to muscles	
	c. muscles to muscles	



In the drawing to the left, you can see several different muscles in your body. Explain how you know that these muscles shown are voluntary or involuntary.

I know the muscles shown are	, because
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