

Structure and Function in Living Systems

Name:

Brainpop—Blood Pressure

Period:

Watch the Brainpop on blood pressure, then answer the questions below. You can also use Chapter 16, Section 2 of your textbook if you are getting stuck.

- _____ 1. What is blood pressure?
- when blood going in one direction meets blood going the other direction
 - the pressure that blood exerts on the skin
 - the pressure that blood exerts on the walls of arteries
- _____ 2. When is blood pressure highest?
- when the heart contracts
 - when the heart relaxes
 - when the heart stops
- _____ 3. When is blood pressure lowest?
- when the heart contracts
 - when the valve opens
 - when the heart relaxes
- _____ 4. What are the names for high and low blood pressure readings?
- systemic and dialectic
 - systolic and diastolic
 - systematic and diabolical
- _____ 5. Which would be considered to be a normal blood pressure reading?
- 125/85
 - 155/95
 - 185/85
- _____ 6. What is chronic high blood pressure called?
- hyperactivity
 - hypertension
 - hyperpressure
- _____ 7. What might cause hypertension?
- running every other day
 - smoking and eating fatty foods
 - sleeping too long
- _____ 8. What problem can hypertension cause?
- strokes
 - cancer
 - obesity
- _____ 9. How do doctors treat hypertension?
- with x-rays and operations
 - with hypnosis
 - with exercise, diet changes, and medication
- _____ 10. Who should have their blood pressure checked regularly?
- people with high blood pressure
 - everybody
 - people with low blood pressure



In the drawing to the left, it looks like Tim is getting pretty angry with Moby. What is this going to do to Tim's heart?

As Tim gets angrier, what is going to happen to his blood pressure?