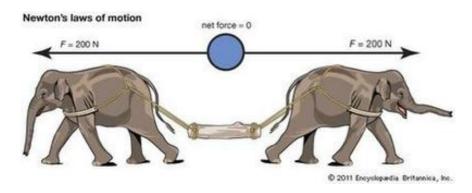
Quizizz	NAME :	_
7.1.2 Newton's First Law	CLASS:	_
	DATE :	_
20 Questions		

7.1.2 Newton's First Law	DATE :
20 Questions	
1. Newton's first law is also called the Law of	
☐ a) Friction	☐ b) Inertia
☐ c) Unbalanced forces	☐ d) Newtons
2. An object in motion tends to stay in motion	ı unless an force acts on it.
☐ a) unbalanced	☐ b) balanced
_ 3, 33	_ 0, 00.0
3. The tendency of an object to resist a chang	e in motion is
☐ a) inertia	☐ b) kinetic energy
☐ c) vector	☐ d) net force
4. Objects with greater also have gre	nator inortia
4. Objects with greater also have given	tater inertia.
☐ a) speed	☐ b) mass
☐ c) temperature	☐ d) friction
5. Newton's first law applies	
\square a) to both moving and nonmoving objects	\square b) only to moving objects
\square c) only to objects that are not moving	

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6.	Because of inertia, a moving object will keep)		unless acted on by an unbalanced force
	a) at rest		b)	moving
	c) in one spot		d)	inertia
7.	Because of inertia, a resting object will rema	iin a	t	·
	a) rest		b)	a constant speed
	c) school		d)	inertia
8.	What kind(s) of objects have inertia?			
	a) all objects with mass		b)	only objects at rest
	c) only objects in motion		d)	only objects whose motion is being changed
9.	You push on a car and it does not move. Wl	nat i	s tr	rue about the inertia?
	a) The inertia is changing		b)	The inertia of the car is too great
	c) The inertia of the person is equal to the car		d)	There is not inertia because of no movement

10. Why is the net force 0 in the image?



□ a) Because the elephants are the same size
□ b) Because they are both pulling the same amount of force in opposite directions
□ c) Because they are elephants
□ d) Because they are pulling away from each other.

11	Time at the arms at the sec	1 C NI + - + l	ام مرام المامانين	+ l 1 T I	
11.	Find the net force	.e: 15 N to the	e right, and	another 15 i	N to the right.

☐ a) 0 N Right

☐ b) 0 N Left

☐ c) 30 N Left

☐ d) 30 N Right

12. 8 N to the left, and 4 N to the right. Find the net force. Is this balanced?

☐ a) 12 N Right No

☐ b) 4 N Left No

☐ c) 12 N Right Yes

☐ d) 4 N Left Yes

13. You and your friend, are playing tug of war. Your friend pulls with a force of 55 N to the right. You pull with a force of 65 N to the left. What is the net force on the rope?

☐ a) 10 N, to the left

□ b) 20 N

☐ c) 10 N, to the left

☐ d) 10 N, to the right

14. Which one is balanced?





☐ a) top

☐ b) bottom

☐ c) both

☐ b) smaller

15. What is the net force?



□ a) 5 N	☐ b) 45 N to the left
☐ c) 5 N to the right	☐ d) 45 N to the right
16. Which type of force(s) will cause a change in	an object's motion?
☐ a) gravity	☐ b) zero net force
☐ c) balanced forces	\square d) unbalanced forces
17. With unbalanced forces, the object will mov	e in the direction of the force.

☐ a) larger

☐ c) equal

_ is the sum of all forces acting on an object. It is capable of accelerating a mass. 18.



∐ a)	ve	locity
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b)	gravity

☐ c) net force

☐ d) distance

19. A bowling ball is rolled across the parking lot. Which statement about it is true?

- \square a) the bowling ball will only stop if it strikes \square b) the bowling ball will never stop something
- ☐ c) the bowling ball will eventually stop because of friction
- ☐ d) the bowling ball will eventually stop because of inertia

20. If the net force on an object is zero, the object will:

☐ a) start moving

 \Box b) stop moving

☐ c) change direction

☐ d) there will be no change in the object's

motion

Answer Key

1. b 2. a 3. a 4. b

а

5.

6. b 7. a 8. a 9. b 11. d12. b13. c

17. a18. c19. c20. d

16. d