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I. Read the sentence carefully and write **TRUE** if the sentence is correct otherwise **FALSE**.

1. The force applied to an object affects the object's movement.
2. If the force applied is along the direction of the object, it will speed up.
3. Force cannot change the size and shape of an object.
4. The object will stop if the forces on both sides of the object are equal and move in opposite direction.
5. The object will change its direction if force is applied from the left or right of the moving object.
6. The object will return if the force applied is in the opposite direction and is more than enough to stop it.
7. An elastic string will not change its shape and size when pulled.
8. Force is everywhere around us.
9. Magnet has a magnetic field, but it is not related to force.
10. Magnets has always two poles, no matter how small it is.

II. Read the sentence and choose the correct answer.

1. What will change if you squeeze a tube of tooth phase?
  - a. Its color will change
  - b. Its shape will change
  - c. It will become bigger

2. A garbage collector picks up boxes of plastics bottles. What will happen to the plastic bottle if he crushes it with his hand?

- Its shape will change
- It will become smooth
- It will be broken

3. What will happen if bottle crowns are pounded?

- The bottle crowns will become flat.
- The bottle crown will become soft.
- The bottle crowns will become liquid.

4. Your dad needs bent metal pipes for your house. How will the pipes change when bent?

- The pipe will change in shape.
- The pipe will remain the same.
- The pipe will change only in size.

5. What will happen if a rubber band is stretched?

- The rubber band will change in size.
- The rubber band will remain the same.
- The rubber band will become smaller.

6. Your friend is pushing the door towards you, and at the same time, you are pushing the door towards him. If you and your friend exert the same amount of force, how will the door move?

- The door will not move.
- The door will crack and break.
- The door will move towards you.

7. You throw a stone at a spinning top, and it moves to the right. What affect of force is shown?

- Force cannot affect object.

- b. Force affects size of the object.
- c. Force affects the movement of object.

8. What affect of the force will you observe from a volleyball player spiking the ball towards his/her opponent?

- a. The ball stop moving.
- b. The ball will change direction.
- c. The ball will move slower.

9. What will you do if you need to transfer a sack of rice from the living room to your kitchen?

- a. Drag the sack of rice on your own.
- b. Carry the sack of rice with your arms.
- c. Use a cart to transfer the sack of rice.

10. Why is it important to wear seatbelts when riding a vehicle?

- a. Seatbelt are required by the law.
- b. Seatbelt makes the passengers uncomfortable.
- c. Seatbelt can keep you safe.

11. What materials that produces force and attract metals?

- a. Glass
- b. iron
- c. magnet

12. Which group of objects is attracted to magnet?

- a. Nickel, iron and cobalt
- b. Plastics, glass and wood
- c. Cardboard, paper and foil

13. Teddy placed the different poles of two magnets near each other. What will happen to the magnets?

- a. Stay in place.
- b. Move pass one another.
- c. Pull together and attract each other.

14. When a magnet is broken into two pieces, each piece will have?

- a. Two north poles
- b. Two south poles
- c. A north pole and a south pole

15. What can you call the two end points of a magnet?

- a. Charges
- b. Magnetic field
- c. Poles

III. Essay. Read the sentence and write your answer.

1. What is force?

2. What is magnetic force?

3. What is unbalance force?