

Investigating Forces Review

Science · Answer Key · 15 Questions

1. What is friction?

- A) A force that pushes objects together
- B) A force that acts on surfaces of objects when they come into contact and can resist movement**
- C) An invisible force that attracts metal objects
- D) A force that makes objects move faster

2. When several forces are acting on an object that is at rest, and the object does not move, then the forces are ____.

- A) unbalanced
- B) accelerated
- C) balanced**
- D) magnified

3. When two bar magnets have the same poles facing each other, they will ____.

- A) attract
- B) repel**
- C) neither attract nor repel
- D) dissolve

4. Objects that are changing position are said to be in ____.

- A) rest
- B) equilibrium
- C) motion**
- D) stasis

5. Which of the following is a kind of force that works over a distance without touching?

- A) Friction
- B) Gravity
- C) Magnetism**
- D) Push

6. What is a force?

- A) A stationary object
- B) A push or a pull**
- C) An invisible energy
- D) A type of motion

7. What is magnetism?

- A) The force that makes things fall
- B) The force that makes things move faster
- C) The invisible force that attracts or pulls on some metal objects**
- D) The force that opposes movement

8. When two magnets come in contact, what do opposite poles do?

- A) Repel each other
- B) Attract each other**
- C) Do nothing
- D) Dissolve

9. What do objects that are attracted to a magnet have in common?

- A) They are all round
- B) They are all made of plastic
- C) They all have some type of metal in them that is attracted to magnets**
- D) They are all heavy

10. Which of the following happens when unbalanced forces are acting on an object?

- A) The object's motion does not change.
- B) The object's motion changes.**
- C) The object remains at rest.
- D) The object disappears.

11. If a box is being pushed to the right and pulled to the left, and the push force is stronger, what will happen to the box?

- A) It will move to the left.
- B) It will move to the right.**
- C) It will remain at rest.
- D) It will move upwards.

12. If a box is being pushed to the right and pulled to the left, and the pull force is stronger, what will happen to the box?

- A) It will move to the left.**
- B) It will move to the right.
- C) It will remain at rest.
- D) It will move downwards.

13. If a box is being pushed to the right and pulled to the left with equal force, what will happen to the box?

- A) It will move to the left.
- B) It will move to the right.
- C) It will remain unchanged and at rest.**
- D) It will spin.

14. In the picture, two magnets have opposite poles facing each other. What will happen?

- A) They will repel each other.
- B) They will attract each other.**
- C) They will slide past each other.
- D) They will break apart.

15. Friction _____ motion.

- A) speeds up
- B) opposes**
- C) ignores
- D) creates