

# Investigating Forces Review

Science · Practice Test · 15 Questions

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## 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