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## Physical Science in Action - Forces

1. What explains why a hamburger doesn't float off into out space?
2. A push or a pull on an object causing a change in its motion is called a?
3. When the two Jeeps pull with equal force they are said to be what?
4. If one Jeep is stronger that the other what happens to the balance?
5. All forces are either a \_\_\_\_\_ or a \_\_\_\_\_.
6. If an imbalance is created the shape will change until the forces are what again?
7. Forces are always \_\_\_\_\_ or \_\_\_\_\_.
8. A force of resistance or opposition between two objects is called what?
9. We stay on the Earth and don't float away because of what force?
10. The push or pull force caused by electricity and magnetic fields is called?
11. The force that opposes motion when two objects touch is called?
12. The most powerful force known is?
13. The golf ball with stay in motion until an \_\_\_\_\_ force acts on it.
14. The baseball flies and then falls due to what force?
15. The property of matter that resistances change to its motion is called?
16. The amount of inertia an object has depends on what?
17. Any change in an objects direction or rate of motion is called?
18. Acceleration is dependent on the \_\_\_\_\_ acting on it and the \_\_\_\_\_ of the object.
19. Force and acceleration are always in the \_\_\_\_\_ direction.
20. For every action there is an \_\_\_\_\_ and \_\_\_\_\_ reaction.
21. Thrust pushes \_\_\_\_\_, and the rocket pushes \_\_\_\_\_ in the opposite direction.
22. Pressure equals \_\_\_\_\_ over \_\_\_\_\_.
23. Water pressure is the force of the water pressing on the \_\_\_\_\_ area of the diver.
24. The force of the weight of air pushing on something is called what?
25. \_\_\_\_\_ cause a slow change in motion in a car, resulting in a safer stop for the passengers.