

- 1) What is a push or pull on an object that causes a change in its motion?
- 2) Every force is either a _____ or a _____. (2pts)
- 3) What does the gravitational pull of the Moon cause on Earth?
- 4) Balanced forces prevent _____.
- 5) Unbalanced forces cause _____.
- 6) Forces give every object its _____.
- 7) What is the force that opposes movement between objects? _____
- 8) Friction causes moving objects to _____ and eventually _____. (3pts)
- 9) What is the force that attracts objects to each other as a result of their mass called?
- 10) What is the force produced by the interaction between electricity and magnetism?
- 11) What results when a metal object is wrapped in wire and an electrical current is passed through it?
- 12) What is the strongest force in the universe? Where does it occur? (2pts)
- 13) Who came up with three laws of motion in 1687?
- 14) Which law states that “an object at rest will remain at rest and an object in motion at a constant speed will remain at a constant speed until some outside force is applied to it?”
- 15) What property of matter causes an object to resist a change in its motion?
- 16) What determines an object’s inertia?
- 17) What is Newton's second law?
- 18) What is any change in an objects direction or rate of speed?
- 19) Acceleration of an object depends on an objects _____ and the _____ applied to the object.
- 20) An object will always accelerate in the _____ as the force.
- 21) What says “for every action there is an equal and opposite reaction?”
- 22) What is the force exerted on a given area?
- 23) What is the equation for pressure?
- 24) When you go higher up in the atmosphere the pressure _____.