Choose whether or not the statement is true or false. If you choose False, write the term that would make the statment true in the blank.

_____ _____ Objects fall toward Earth at a rate of 9.8 m/s^2 because of *centripetal force.*

_____ _____ $F = ma$ represents Newton's *second* law of motion.

_____ _____ The force of gravity acting upon an object is the object's *mass.*

_____ _____ *Friction* is the force that opposes motion between surfaces that touch each other.

_____ _____ To every action force there is an equal and opposite reaction force is *the law of conservation of momentum.*

_____ _____ According to *the law of conservation of momentum,* momentum lost equals momentum gained.

_____ _____ Anything that is thrown or shot through the air is *weightless.*

_____ _____ Microwelds are the source of *momentum* between two surfaces pressed together.

_____ _____ Air resistance acts in the *opposite* direction to that of an object in motion.

_____ _____ Terminal velocity is the *highest* velocity that a falling object will reach.