Name: _____ Date: _____

FORCES

1. THE FORCE THAT OPPOSES THE SLIDING MOTION OF TWO SURFACES OR TOUCHING EACH OTHER

2. A PUSH OR A PULL

3. THE SUM OF ALL FORCES ACTING ON AN OBJECT.

4. AN ACT ON ALL OBJECTS WITH MASS.

5. REGION OF SPACE THAT HAS A PHYSICAL QUANTITY

6. THE GRAVITATIONAL FORCE EXERTED ON AN OBJECT.

7. STATES THAT AN OBJECT MOVES AT A CONSTANT VELOCITY UNLESS AN UNBALANCED FORCE ACTS ON IT

8. TENDENCY OF AN OBJECT TO RESIST ANY CHANGE IN ITS MOTION.

9. STATES AN OBJECTS ACCELERATION IS IN THE SAME DIRECTION AS THE NET FORCE.

10. A LENGTH OF TIME.

11. STATES THAT WHEN ONE OBJECT EXERTS A FORCE ON A SECOND OBJECT THE SECOND OBJECT EXERTS A FORCE ON THE FIRST THAT IS EQUAL IN STRENGTH AND OPPOSITE DIRECTION.

12. FRICTION LIKE FORCE THAT OPPOSES THE MOTION OF AN OBJECT THAT MOVES THROUGH THE AIR

13. FORCE EXERTED TOWARD THE CENTER OF A CURVED PATH.

14. ENERGY CANNOT BE CREATED OR DESTROYED.

15. PREVENTS TWO SURFACES FROM SLIDING PAST EACH OTHER AND IS DUE TO MICROWELDS

A. AIR RESISTANCE

B. NEWTONS FIRST LAW

C. NEWTONS SECOND LAW

D. INERTIA

E. FRICTION

F. FIELD

G. CENTRIPETAL FORCE

H. FORCE

I. WEIGHT

J. NEWTONS THIRD LAW

K. STATIC FRICTION

L. LAW OF CONSERVATION

M. GRAVITY

N. PERIOD

O. NET FORCE