



Name _____

Date _____

(Key # 1 - 737259)

SCI180U17 Force and Gravity

Complete the crossword puzzle.

1

2 F

3 V T

4

5 R I T

6 C

7 A D

8 E

9

10 C

11 O

12

13 O

14 O L

15 W

N

G

R

C

C

E

E

Across

- 3 THE PULLING FORCE OF EVERY OBJECT ON ALL OTHER OBJECTS
- 5 friction that is caused when one object rolls over the another object ex. moving car tires (2 words)
- 6 Friction the occurs whenever solid surface slides over another. (2 words)
- 7 forces on a body that are equal in size and opposite in direction and do not change the motion of the body (2 words)
- 12 The law that states that for every action there is an equal and opposite reaction (4 words)
- 14 Law of Elasticity, which states that the stretching of a solid body (e.g., metal, wood) is proportional to the force applied to it. The law laid the basis for studies of stress and strain and for understanding of elastic materials. (2 words)
- 15 A unit of force equal to the force that imparts an acceleration of 1 m/sec/sec to a mass of 1 kilogram; equal to 100,000 Danes.
- 6 "An object acted upon by a net force will accelerate in the direction of the force according to the following equation. $\text{acceleration} = \frac{\text{net force}}{\text{mass}}$ (4 words)
- 8 "An object will remain at rest or move with constant velocity until it is acted upon by a net force." (4 words)
- 9 forces that require two or more objects to be touching to take effect (2 words)
- 10 push or pull that gives energy to an object
- 11 occurs when the forces acting on an object are not equal; therefore, one force is greater than the other which causes an object's speed or direction to change (2 words)
- 13 The tendency of an object to resist a change in motion.

Down

- 1 All objects in the universe is attracted to all other objects. (4 words)
- 2 the resistance between two objects that are in contact with one another
- 4 The friction that occurs as an object moves through fluid (2 words)



SCI180U12 Force and Gravity

Complete the crossword puzzle.

