Greenwood International School
Science Department
Semester 2

Name: _____
Date: _____
Grade 3 ( )

Science
Revision Sheet 2

I. Circle the correct answer.

1- What is the force that pulls objects to the center of Earth called?
a. Friction b. gravity c. acceleration d. force

2- This is required to move an object.
a. Friction b. gravity c. force d. acceleration

3- When something changes position, it is in _____.
a. Friction b. gravity c. acceleration d. motion

4- A force can change the direction of a moving object.
a. False b. True.

5- A force is a _____ or a _____ that causes movement.
a. push, pull b. pull, run c. pull, lift d. push

6- A force cannot change the shape of an object.
a. False b. True.

7-_____ can be either a push or a pull.
a. Operation b. Motion c. Plot d. Force

8- What pulls things down to the ground?
a. Gravity b. matter c. environment d. none

9- A boy kicks a soccer ball. The ball rolls away from him.

10- Are the forces acting on the ball balanced or unbalanced?
a. unbalanced forces b. balanced forces.

11-_____ is a change of position.
a. Force b. Factors c. Gravity d. motion

12- _____ can either be a push or a pull.
a. Force b. Work c. Matter d. Friction

13-The children are playing tug of war. They both pull on the rope. The rope moves to the left. Are the forces acting on the rope balanced or unbalanced?
a. unbalanced forces b. balanced forces.

14- The boy is pulling on a heavy wagon. The wagon does not Move. Are the forces acting on the wagon balanced or unbalanced?
a. unbalanced forces b. balanced forces.

15- The woman pushes the shopping cart. The cart rolls forward.
Are the forces acting on the cart balanced or unbalanced?

a. unbalanced forces b. balanced forces.

16- Force that works against the movement of two objects is called _____.

a. solar b. mixing c. burning d. friction

17- The soccer ball is on the ground. It is not moving.
Are the forces acting on the ball balanced or unbalanced?

a. unbalanced forces b. balanced forces.

18- What does observing the pattern of a toy train help you do?

a. predict its future motion b. back and forth
c. up and down. d. Zigzag

II. Read each situation in the center column. Decide whether the forces are balanced or unbalanced.

Balanced	**Are the forces balanced or unbalanced?**	**unbalanced**
	Two teams are pulling on a robe. The robe is not changing.	
	A parachute is falling down the sky and is moving right and left because of the wind.	
	You hold a ball and then you let it go.	
	A boy is pushing a heavy camel, its not moving	
	A girl is pulling her school bag behind her while she is walking, the bag is moving.	

III. Draw an example of each type of motion in the chart.

back and forth	spinning	up and down	zigzag

IV. Label each image with either PUSH OR PULL and STRONG OR WEAK.

V.Sort by whether the action will change the strength or the direction of a force.

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A- hit a tennis ball with a racket **B- Driving over a bend (U-TURN)** **C- use brakes to stop a bicycle** **D- Blow hard into a horn** **E- Step on the accelerator** **F- Driving downhill**

Change in strength	**Change in direction**
1. _____	**1. _____**
2. _____	**2. _____**

VI. WRITE TWO FUNCTIONS OF THE SKELETON.

VII. WRITE TWO PARTS OF THE SKELETON.

_____

VIII. Circle the best answer.

1. What is current electricity?

a. a flow of electrons around a circuit. b. a repelling between electrons
c. a buildup of electric charge on something d. an electric discharge.

2. What is static electricity?
a. a flow of electrons around a circuit.
b. a repelling between electrons
c. a buildup of electric charge on something
d. an electric discharge.

3. Two bar magnets will attract if,

a. They do not have negative and positive poles.
b. Their two positive poles are facing.
c. Their two negative poles are facing.
d. The negative pole of one faces the positive pole of the other

4. How can you tell if an object is a magnet?
a. See if it sticks to an iron block. b. See if it sticks to a glass block.
c. See if it sticks to a plastic block. 4. See if it sticks to a rubber block.

5. A block of metal is attracted to a magnet. What must the block contain?
a. silver b. aluminum c. paperclips d. rubber.

VIII. In the following experiment, 3 pots of plants were given the same amount of water.

However, the first pot was placed by the window, the second on the shelf, and the third was kept in a cabinet.

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a- What is your observation. ---------

b- The dependent variable is ---------

c- The independent variable is ----------

d- The controlled variable is ---------

e- The conclusion is ----------

IX.Identify the following lab tools.