**Balanced and unbalanced Forces Worksheet OL**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Word Bank: (words may be used more than once)**

**balanced force unbalanced newton net force**

force

1. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a push or a pull.

Net force

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the total of all forces acting on an object.
2. When two forces working in opposite directions are not the same strength the forces are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

unbalanced

1. When two forces working in opposite directions are of the same strength the forces are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

balanced

forces

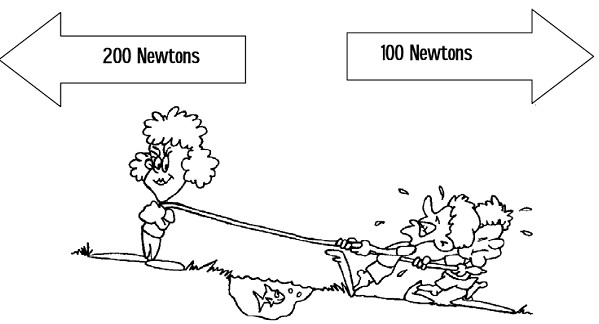
unbalanced

1. \_\_\_\_\_\_\_\_\_\_\_\_\_ forces result in motion of an object, but \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ forces result in no motion.

newton

1. The unit of measure for force is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Circle the correct answer in each pair.**



* + - 1. The forces shown above are **PUSHING / PULLING** forces.
      2. The forces shown above are **WORKING TOGETHER / OPPOSITE FORCES**.
      3. The forces are **EQUAL / NOT EQUAL**.
      4. The forces **DO / DO NOT** balance each other.
      5. The stronger force is pulling to the **RIGHT / LEFT**.
      6. The weaker force is pulling to the **RIGHT / LEFT**.
      7. Motion is to the **RIGHT / LEFT**.