

Name: _____

Date: _____



GENIUSCHALLENGE

NEWTON'S LAWS OF MOTION

1. Describe an example of Newton's 1st Law of Motion (the motion of an object remains the same unless it is acted upon by a force). _____

2. Describe an example of Newton's 2nd Law of Motion (heavier objects need more force than lighter objects to make them move). _____

3. Describe an example of Newton's 3rd Law of Motion (for every action there is an equal and opposite reaction). _____

4. _____ is the force that pulls objects down towards the center of the Earth.
5. _____ is a force that is caused by objects rubbing against each other.
6. _____ is a force caused by air that slows objects down.
7. A _____ force is when two forces cancel each other out and do not affect the motion of an object.
8. An _____ force results when one force is stronger than other forces and the motion of an object is affected.
9. True or False? A rocket launching can demonstrate Newton's 1st Law of Motion. _____
10. True or False? If friction didn't exist, an object in motion would stay in motion forever. _____