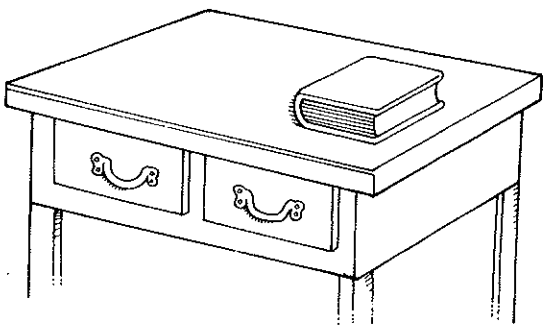
Name _____ Date _____

Balanced and Unbalanced Forces

Forces can be balanced or unbalanced. Use the terms in the word box to label the diagrams. One word is used twice.

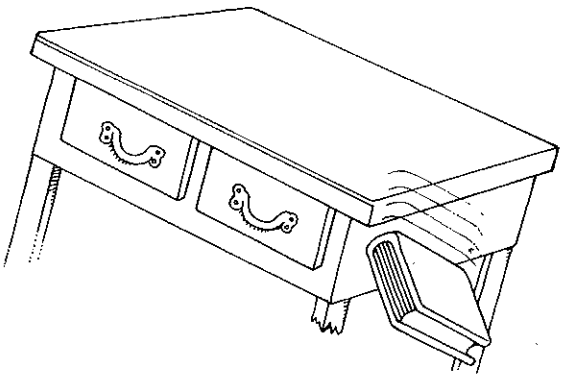
gravity	table	rest
balanced	unbalanced	accelerate

1. Forces are _____.



2. _____ pushes down.
3. _____ pushes up.
4. The book remains at _____.

5. Forces are _____.



6. _____ is the greater force.
7. The book will _____ toward the floor.

Match each term in the word box to its definition.

balanced	equilibrium	inertia	state of motion	zero

8. _____ Describes forces working upon an object that are of equal magnitude and come from opposite directions.
9. _____ The tendency of an object to resist changes in its state of motion.
10. _____ An object at rest has this velocity.
11. _____ This describes an object's velocity, or speed with a direction.
12. _____ When all the forces acting upon an object balance each other, the object will be in this state.

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