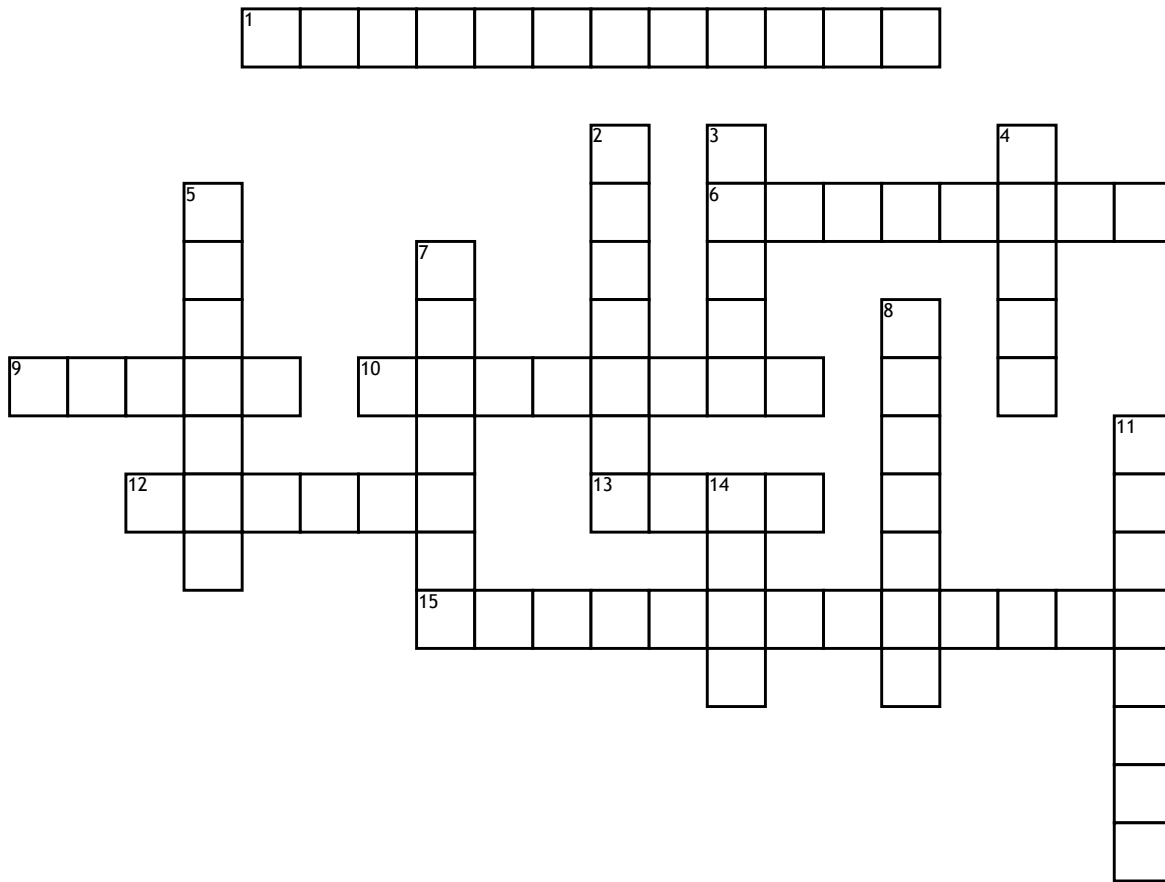


Name: _____ Date: _____ Period: _____

GRAVITY AND MOTION



Across

1. Gravity pulls every object towards the Earth with the same _____
6. The gravitational force between two objects will _____ if one object acquires more mass.
9. An object traveling around another object in space is in _____
10. The gravitational force between two objects will _____ if the objects move farther apart

12. It measures the force of gravity pulling downwards an object.

13. If I travel to the outer space, my weight is less, but my mass stays the _____

15. When there is no _____ a feather and a billiard ball fall at the same rate

Down

2. _____ are round because of gravity
3. They appear as the regular rise and fall of the sea surface

4. The gravitational force on _____ is 9.8 m/s^2

5. The planet in our solar system with the greatest gravitational force is _____

7. The resistance to a push or a pull

8. Is a force that attracts all matter to each other

11. When gravity is the only force acting upon an object, the object is in _____

14. The amount of matter in an object