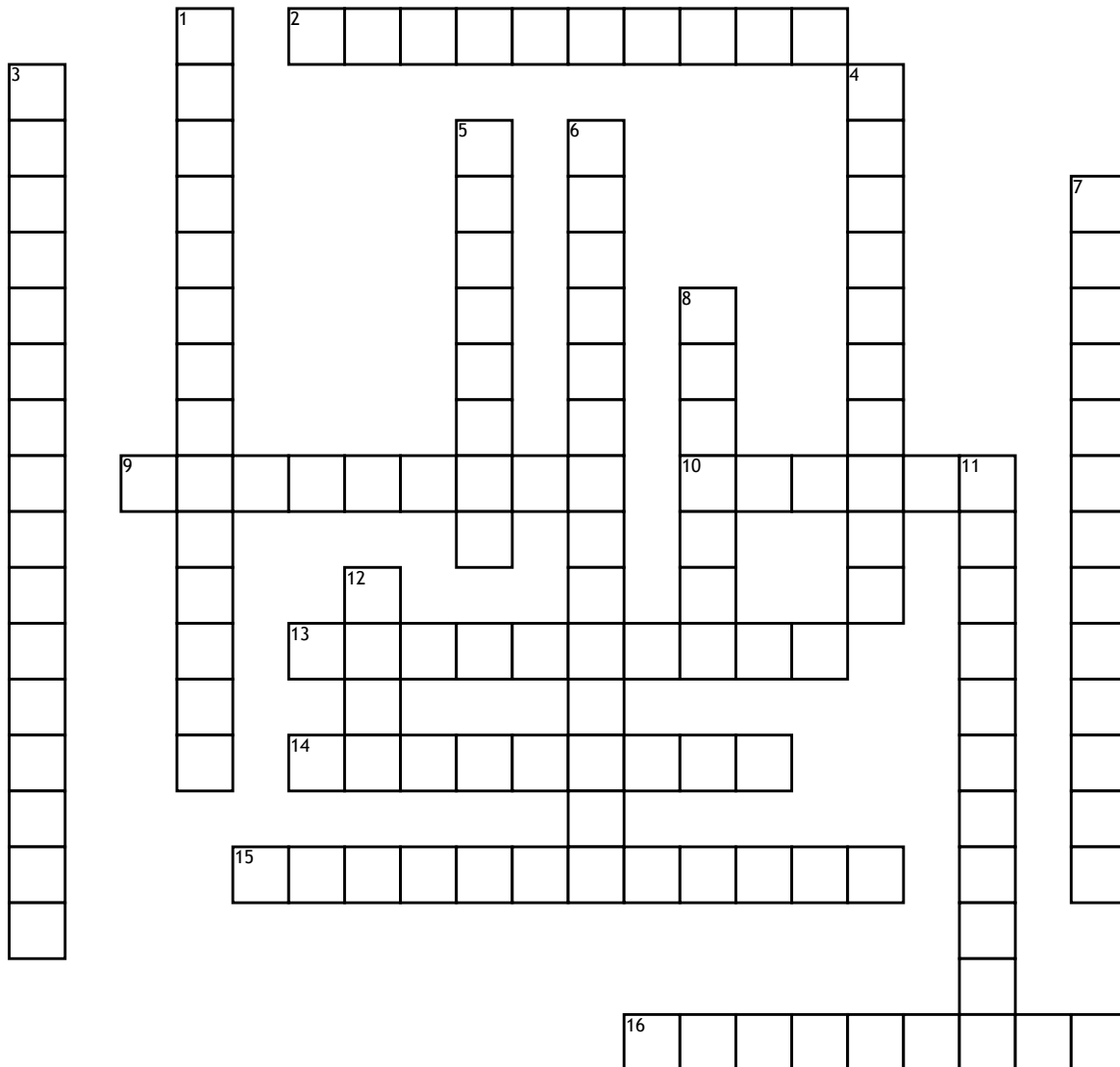


Magnetism



Across

2. the bouncing back of light, sound, or heat on a surface without absorbing it

9. the maximum stretch of oscillation, measured from the starting position

10. the interval between the same vibration

13. the distance between two or more crests of a wave

14. the prolongation of sound by reflection from a surface of a neighboring object

15. the combination of two or more electromagnetic waves in which the displacement is reformed or cancelled

16. the rate per second creating a wave

Down

1. the motion that makes a rocking chair go back and forth

3. a wave vibrating in the direction of a propagation

4. the phenomena of light, sound, heat waves being deflected through one medium to another

5. a weight hung from a high fixed point so that it can swing freely

6. a wave which the medium vibrates at right angles

7. an increase or decrease of sound, light, or other waves as a source and observer move towards or away from each other (sirens)

8. the reduction of amplitude resulting from energy being taken away from the system to overcome a frictional force

11. the process of light or other waves is spread out as a result of passing a narrow passage

12. move to and fro with a swaying motion while remaining to one fixed point