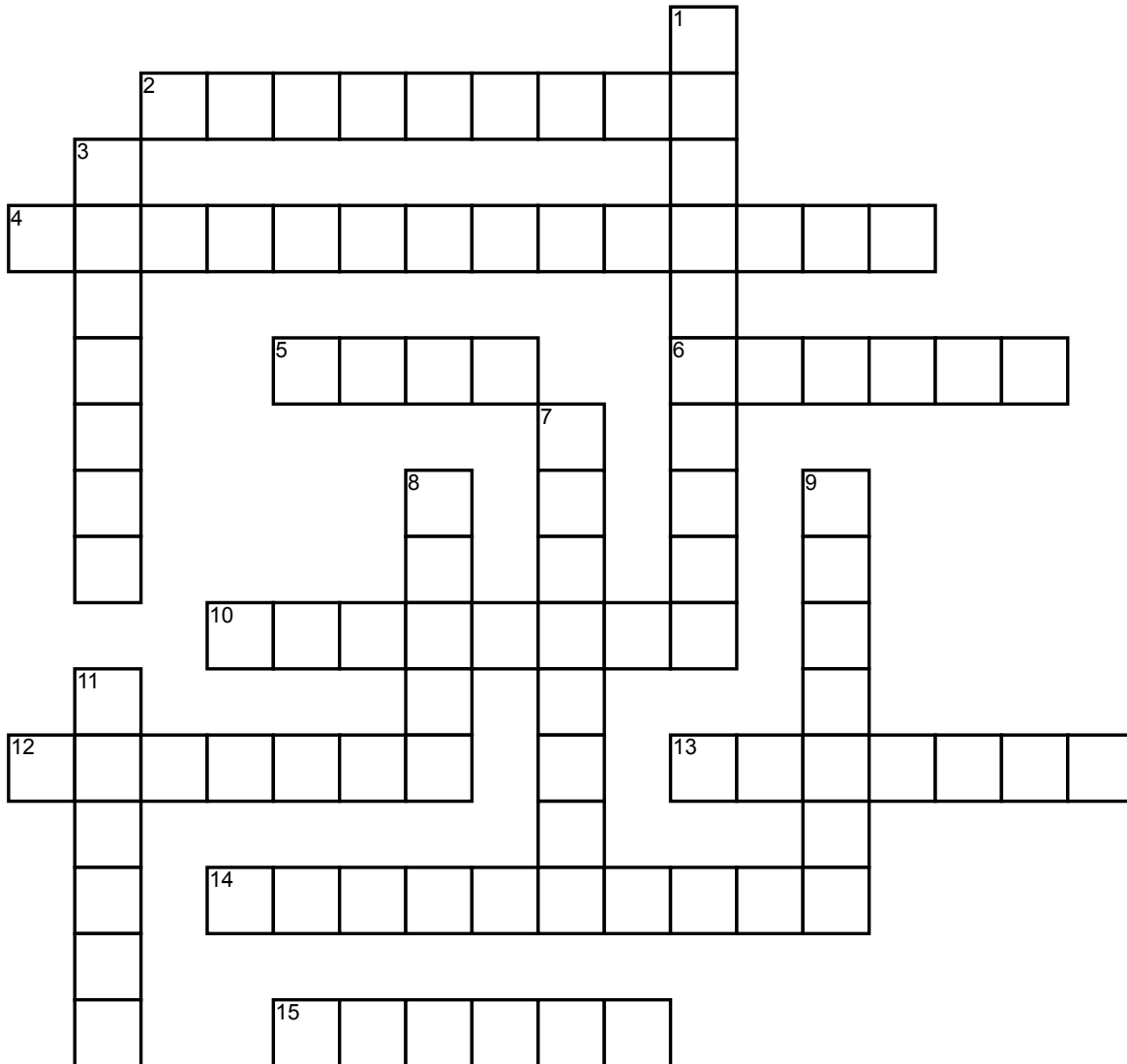


May the force be with you



Across

- 2.** The direction of a force is shown by the _____ of the arrow.
- 4.** When an apple is falling through the air the force that opposes gravity is the push force of _____.
- 5.** When an apple is hanging on a tree the type of force that holds it on the branch is the _____ of the branch.
- 6.** On a 'free body diagram' forces are represented by _____.

10. When forces are this an object either does not move, change shape, direction or speed.

12. Weight is measured in this (grams/Newtons/litres).

13. A force that pulls everything towards the centre of the Earth (magnetic/gravity)

14. Gravity, magnetism and electricity are this type of force.

15. When an apple is sitting on the ground, the type of force that stops it from falling through the ground is the push force of _____.

Down

1. When an object changes speed, direction or shape or begins to move or stop the forces are said to be this.

3. Our weight on the moon would be _____ than our weight on Earth (lighter/heavier)

7. A force that opposes motion (friction/gravity)

8. Mass can be measured in this.

9. Push, pull, friction, normal and air resistance are this type of force (non-contact/contact/balanced).

11. The size of the force is shown by the _____ of the arrow.