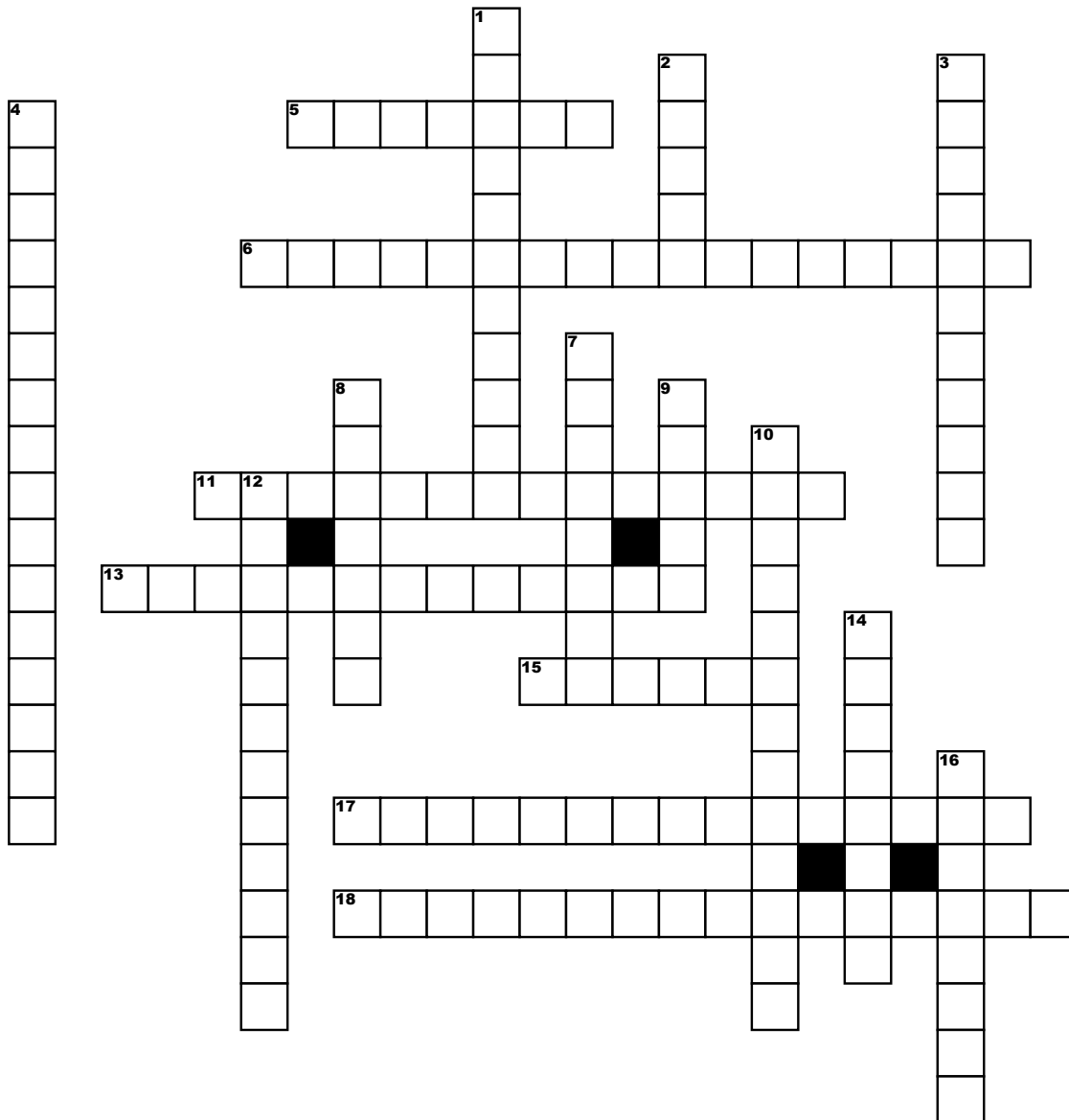


# Newton's ingenuity



## Across

- 5.** The resistant force on any object aimed to change its motion  
**6.** Force = Mass × Acceleration  
**11.** When forces are balanced and there is no movement  
**13.** Force as a reaction to action force  
**15.** Measurement for force, also a famous last name  
**17.** An object in motion stays in motion unless another force acts on it  
**18.** When forces are not equal and there is movement

## Down

- 1.** Force acting in a direction  
**2.** What object fell on Newton's head making him think of gravity?  
**3.** The force perpendicular to the surface the object is moving on  
**4.** Every force has an equal and opposite reaction  
**7.** The resultant force on an object after multiple forces  
**8.** The force that pulls objects to the ground  
**9.** Mass times acceleration equals...

- 10.** The swinging balls that pass energy through them  
**12.** The difference in speed over time  
**14.** The force resisting against an object that is moving against another object  
**16.** Isaac Newton created this subject in math