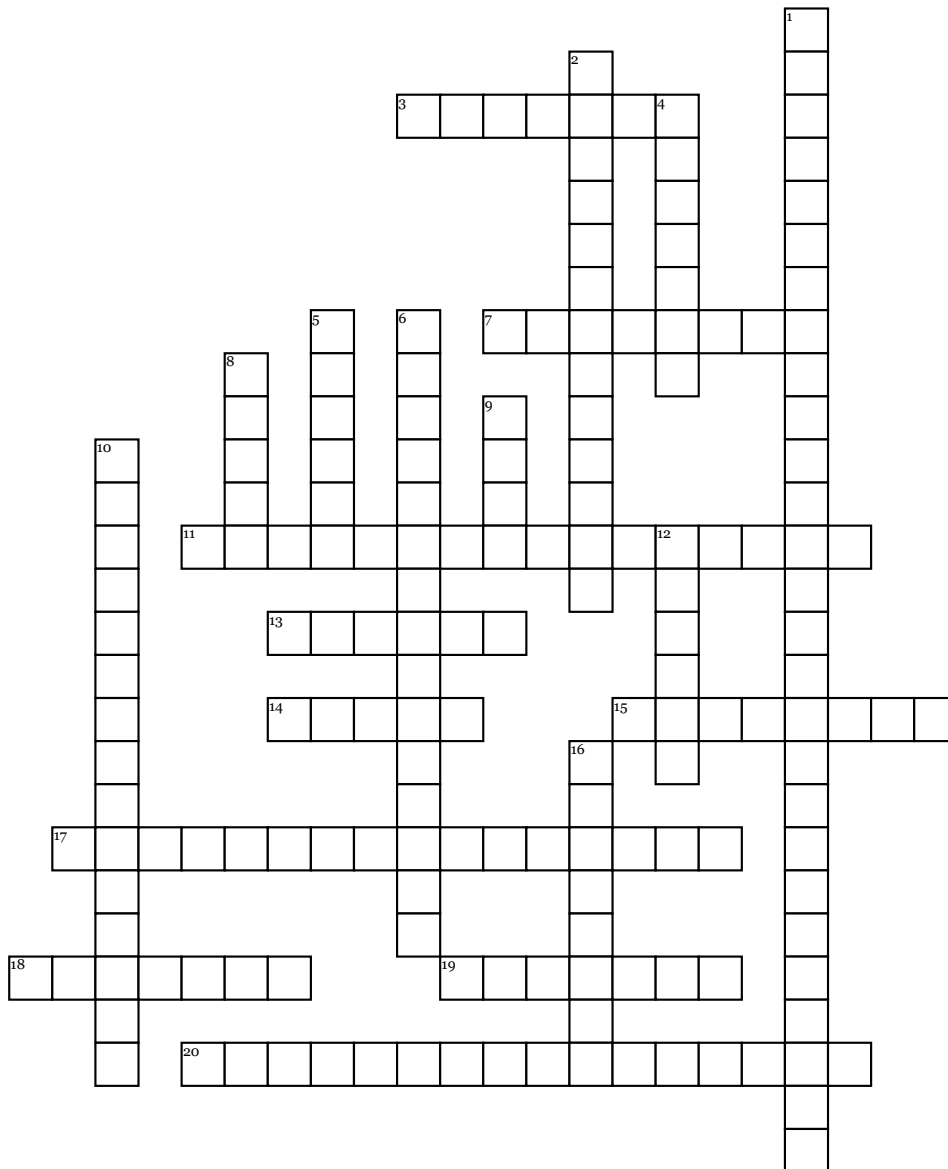


Chapter 12 Crossword puzzle



Across

- 3.** A force that opposes the direction of motion of an object as it slides over a surface
- 7.** Is a force the opposes the motion of objects that touch as they move past each other
- 11.** The acceleration of an object is directly proportional to the net force acting on it
- 13.** Friction force that acts on objects that are not moving
- 14.** Opposes the motion of an object moving through the air
- 15.** Product of an object's mass and its velocity, an object with large momentum is hard to stop

- 17.** Motion of a falling object after it is given an initial forward velocity

- 18.** The force that acts on rolling objects

- 19.** Tendency of an object to resist any change in its motion

- 20.** Maximum velocity reached by a falling object

Down

- 1.** No net forces acts on a system, then the total momentum of the system does change

- 2.** The forces that are in opposition to the relative motion of an object as it passes through the air

- 4.** Force of attraction between any two objects in the universe

- 5.** The force of gravity on an object

- 6.** When one object exerts a force on a second object, the second object exerts an equal but opposite force on the first

- 8.** A push or pull that one body exerts on another

- 9.** An object measure of the number of atoms

- 10.** An object at rest will remain at rest and an object in motion will stay in motion

- 12.** Equal to the force that gives a mass of one kilogram an acceleration one meter per second

- 16.** Unbalanced forces that are not opposite and equal