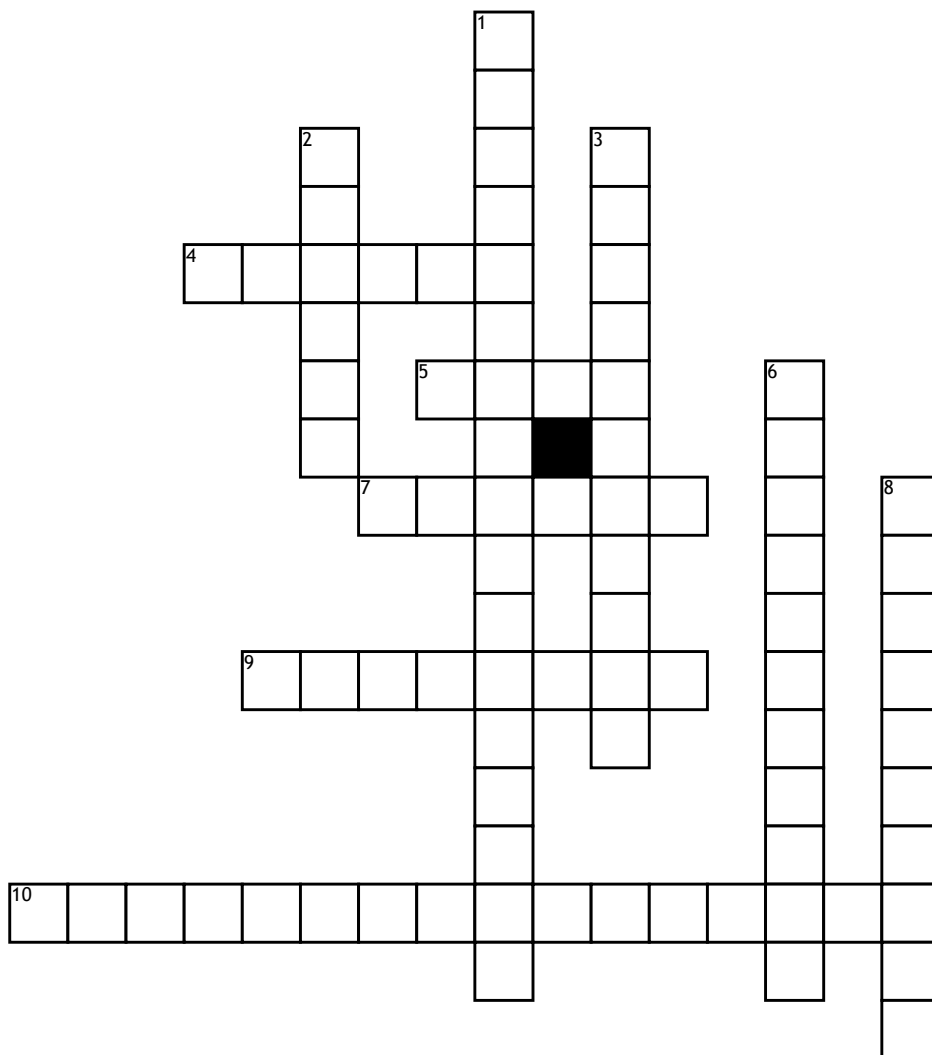


oh my GASH! I cross a words



Across

4. Is an absolute temperature scale using as its null point absolute zero
5. Unit of measurement for amount of substance
7. SI derived unit of pressure
9. The force applied perpendicular to the surface of an object per unit area over which that force is distributed
10. Number of constituent particles usually atom or molecules that are contained in the amount of substance given by one mole

Down

1. Standard defined quantity that measures the size of an ensemble of particles, such as atoms, molecules, electron and other particles.
2. The quantity of three dimensional space enclosed by a closed surface
3. Is a measure of average kinetic energy of gas molecules measured in terms of Kelvin (K)
6. The volume occupied by n moles of any gas has a pressure at temperature in Kelvin. The relationship for these variables, $PV=nRT$, where R is known as the gas constant
8. SI derived unit of volume